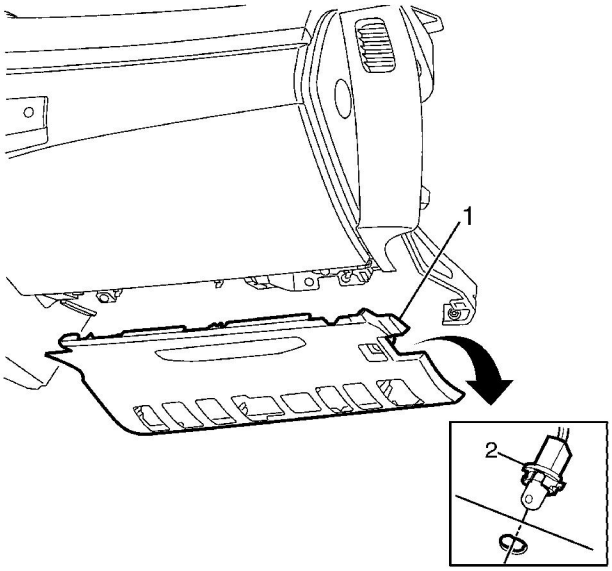
Fastener Tightening Specifications

Application	Specification	
	Metric	English
Bracket to I/P Centre Support Retaining Screws	2 N·m	18 lb in
Centre Console to End Panel Retaining Screws	2 N·m	18 lb in
Centre Console to Floor Retaining Bolt	25 N·m	18 lb ft
Centre Console to Front Floor Retaining Screws	2 N·m	18 lb in
Centre Console to Park Brake Assembly Retaining Bolts	25 N·m	18 lb ft
Coin Holder to Centre Console Retaining Screw	2 N·m	18 lb in
Compartment Damper to I/P Retaining Screws	2 N·m	18 lb in
Compartment to I/P Retaining Screws	2 N·m	18 lb in
Cup Holder to Centre Console Retaining Screws	2 N·m	18 lb in
Instrument Cluster Retaining Screws	2 N·m	18 lb in
Instrument Cluster Trim Assembly Screws	2 N·m	18 lb in
I/P Datum Pin Retaining Screws	2 N·m	18 lb in
I/P to Trim Pad Retaining Screws	2 N·m	18 lb in
Left Hand Tweeter to I/P Retaining Screws	2 N·m	18 lb in
Passenger Side Air Bag Module to I/P Trim Pad Retaining Nuts	16 N·m	12 lb ft
Storage Compartment to I/P Retaining Screws	2 N·m	18 lb in
Top Trim Panel to I/P Retaining Screws	2 N·m	18 lb in
Trim Pad - Instrument Panel (I/P) Upper Retaining Screws	2 N·m	18 lb in
Trim Panel to Centre Console Retaining Screws	2 N·m	18 lb in
Trim Panel to I/P Upper Retaining Screws	2 N·m	18 lb in

© 2010 General Motors Corporation. All rights reserved.

Instrument Panel Insulator Panel Replacement - Right Side (LHD)

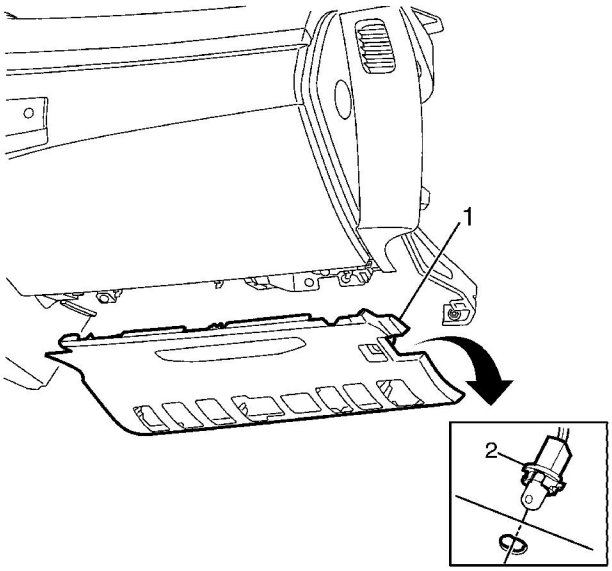
Removal Procedure



1. Grasp the instrument panel (I/P) insulator panel (1) and carefully pull downward to disengage the retaining clips.
2. Remove the courtesy lamp socket assembly (2) from the I/P insulator panel by turning the socket counter-clockwise.
3. Remove the I/P insulator panel (1).

Installation Procedure

© 2010 General Motors Corporation. All rights reserved.



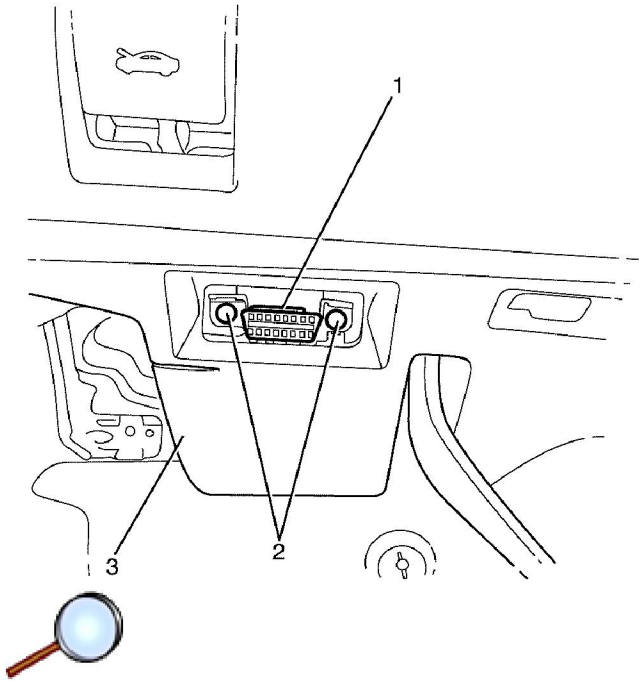
1. Align the I/P insulator panel (1) to the I/P.
2. Install the courtesy lamp socket assembly (2) to the I/P insulator panel (1).

Important: Listen for audible clicks when fitting the I/P insulator panel to confirm correct fitment.

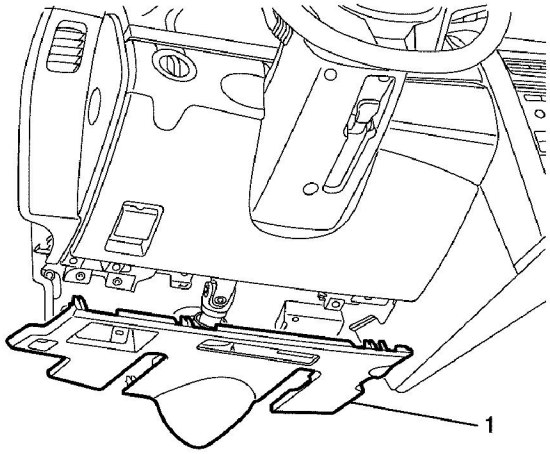
3. Attach the I/P insulator panel (1) to the I/P by engaging the retaining clips.

Instrument Panel Insulator Panel Replacement - Left Side

Removal Procedure



1. Remove the diagnostic plug to I/P lower trim plate assembly retaining screws (2).
2. Remove the diagnostic plug (1) from the I/P lower trim plate assembly (3).

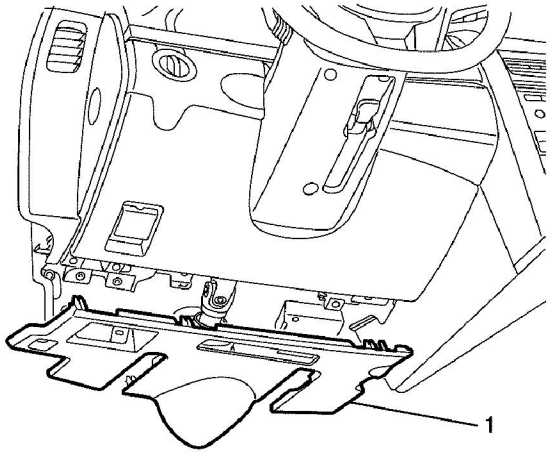


3. Grasp the I/P lower trim plate assembly (1) and carefully pull downward to disengage the

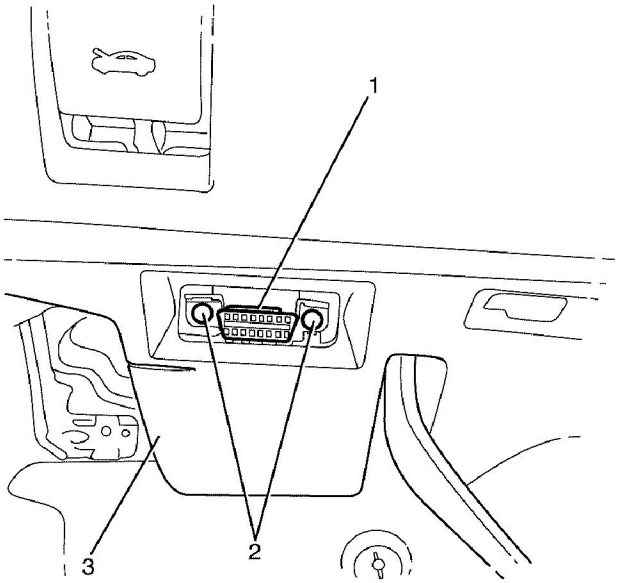
© 2010 General Motors Corporation. All rights reserved.

retaining clips.
4. Remove the I/P lower trim plate assembly (1).

Installation Procedure



1. Install the diagnostic plug (2) to the I/P lower trim plate assembly (1).
2. Align the I/P lower trim plate assembly (1) to the I/P.
3. Install the I/P lower trim plate assembly (1) to the I/P by pushing in the area of the retaining clips (2).
4. Ensure all clips are located correctly.



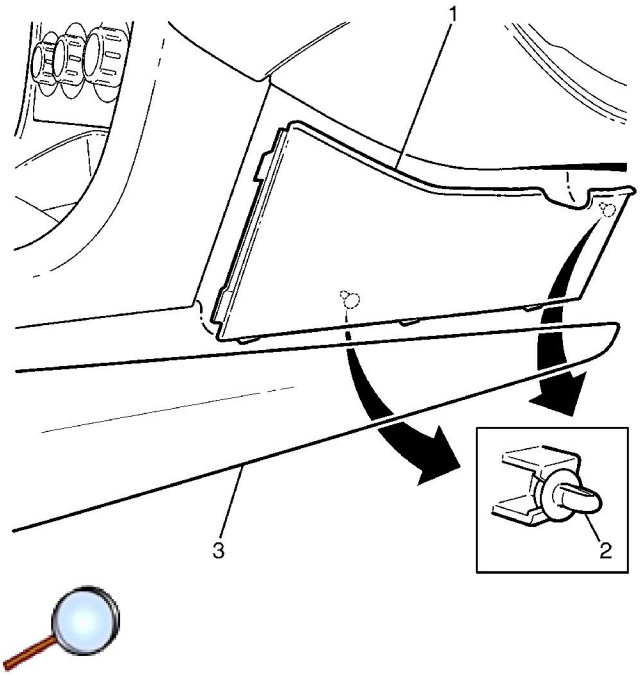
5. Install the diagnostic plug (1) to the I/P lower trim plate assembly (3).

Caution: Refer to Fastener Caution in the Preface section.

6. Install the diagnostic plug to I/P lower trim plate assembly retaining screws (2) and tighten to **2 N·m (18 lb in)**

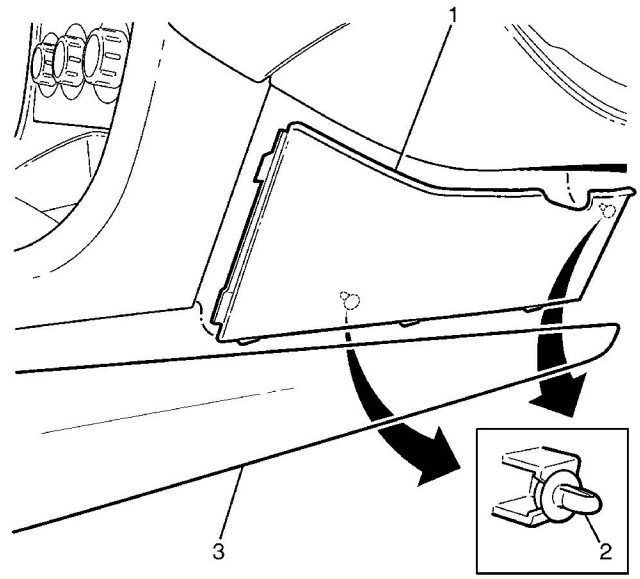
Instrument Panel Extension Replacement

Removal Procedure



1. Disengage the I/P extension panel (1) to I/P carrier retaining clips (2).
2. Remove the I/P extension panel (1) from the centre console side trim panel (3).

Installation Procedure

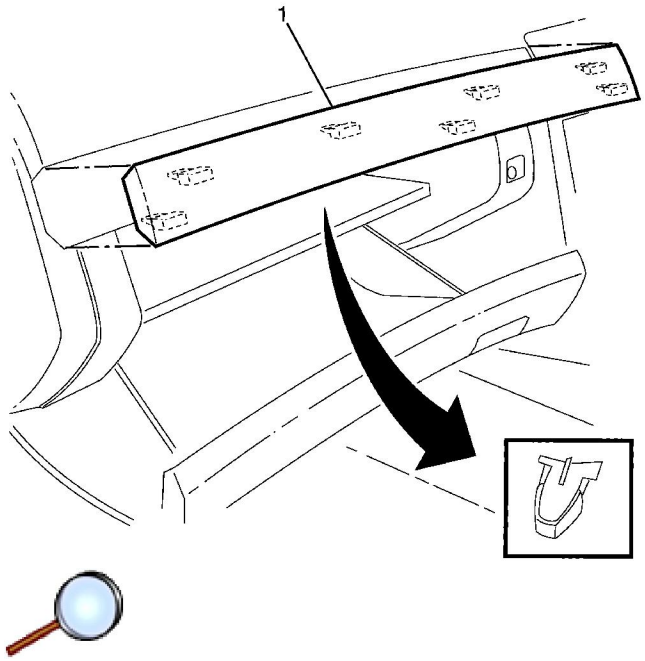


© 2010 General Motors Corporation. All rights reserved.

1. Align the I/P extension panel (1) with the I/P carrier.
2. Engage the I/P extension panel (1) to I/P carrier retaining clips (2).
3. Install the centre console side trim panel (3) to the I/Pextension panel (1).

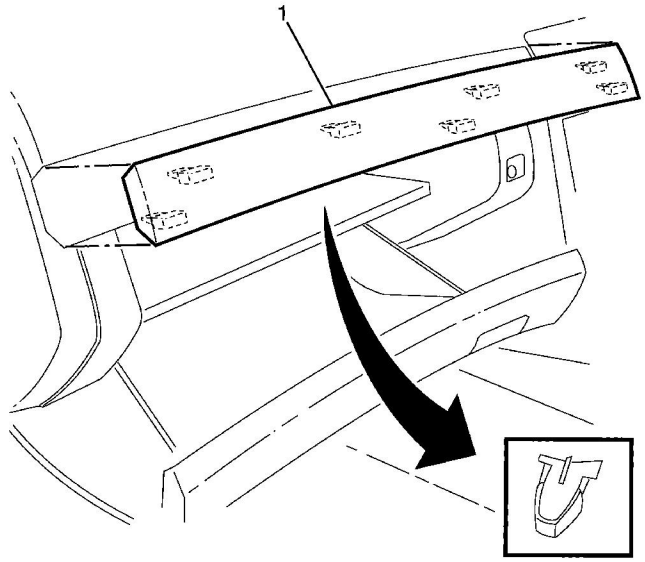
Instrument Panel Trim Panel Replacement

Removal Procedure



1. Using a suitable tool disengage the trim panel (1) retaining clips.
2. Remove the trim panel (1) from the I/P pad.
3. If required, repeat for opposite side

Installation Procedure



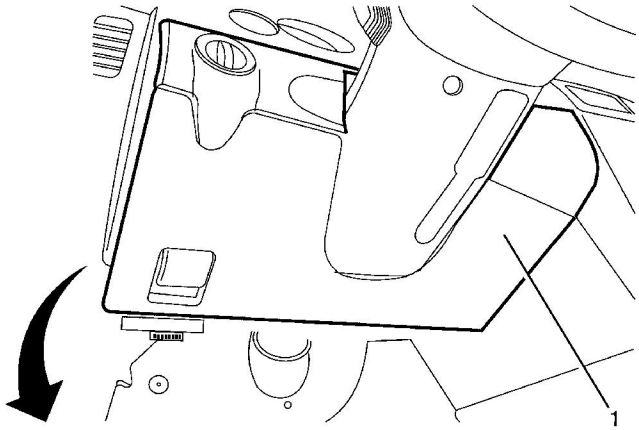
© 2010 General Motors Corporation. All rights reserved.

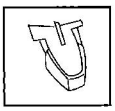
1. Align the trim panel (1) with the I/P pad.
2. Install the trim panel (1) to the I/P pad by engaging the retaining clips.
3. Ensure the trim panel (1) is flush with the I/P pad.
4. If required, repeat for opposite side

Knee Bolster Replacement

Removal Procedure

1. Remove the insulator panel. Refer to Instrument Panel Insulator Panel Replacement - Left Side .
2. Remove the Instrument Panel Outer Trim Cover. Refer to Instrument Panel Outer Trim Cover Replacement .

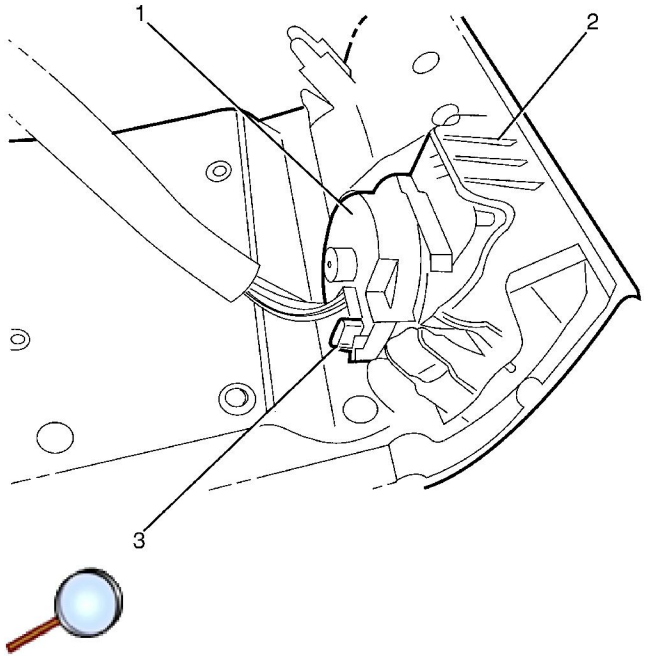




Important: When removing the knee bolster, care must be taken not to scratch the steering column cover. This can be achieved by slightly bending the knee bolster to avoid contact with the steering column.

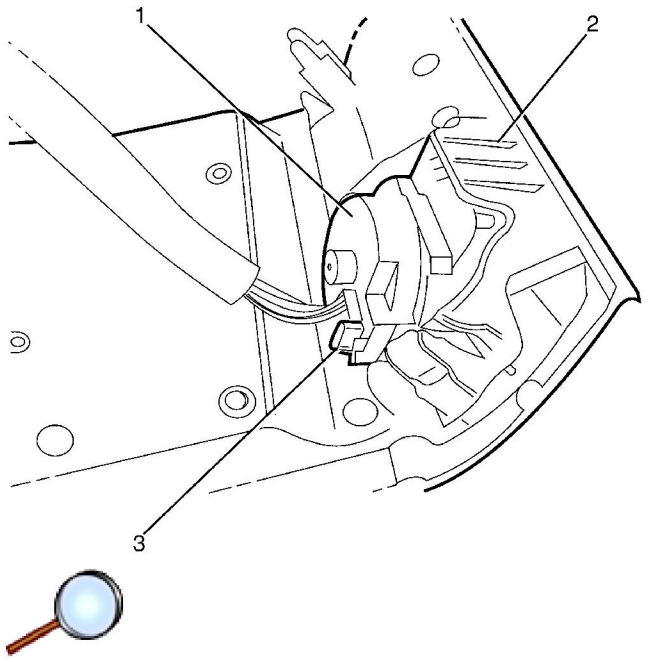
3. Grasp the knee bolster assembly (1) and carefully pull downward to disengage the retaining clips.

© 2010 General Motors Corporation. All rights reserved.

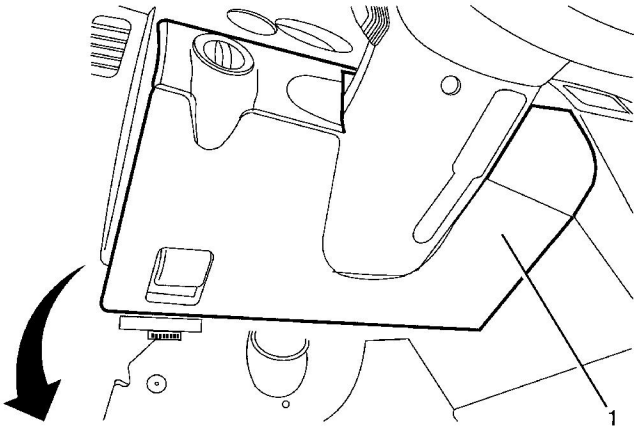


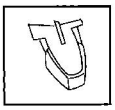
4. Disconnect the headlamp switch (1) electrical connecter (3) from headlamp switch.
5. Remove the knee bolster (2).

Installation Procedure



1. Connect the headlamp switch (1) electrical connector (3).
2. Align the knee bolster (2) with the I/P pad.



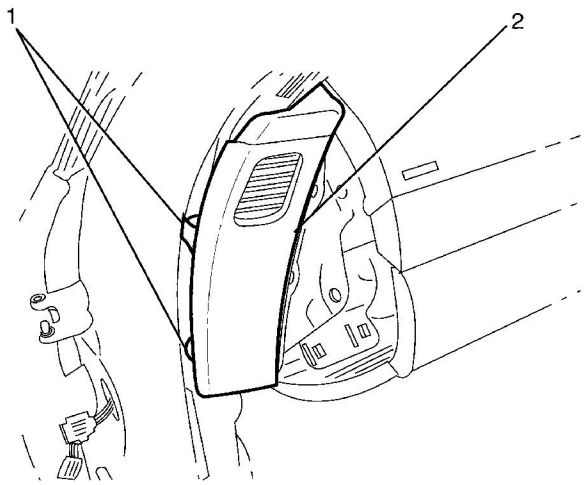


3. Install the knee bolster (1) to the I/P by engaging the retaining clips.
4. Install the Instrument Panel Outer Trim Cover. Refer to Instrument Panel Outer Trim Cover Replacement .
5. Install the insulator panel. Refer to Instrument Panel Insulator Panel Replacement - Left Side .
6. Ensure all clips are located correctly.

Instrument Panel Side Trim Panel Replacement

Removal Procedure

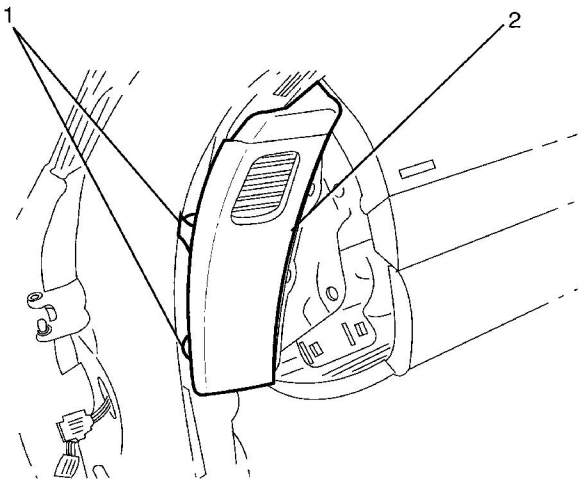
1. Remove the instrument panel outer trim cover. Refer to Instrument Panel Outer Trim Cover Replacement.



2. Grasp the front lower area of the centre A pillar ventilation trim panel (2) and carefully pull to disengage the retaining clips (1). The left side is shown, the right side is similar.
3. Remove the centre A pillar ventilation trim panel (2) rotating upwards to disengage remaining clips.

Installation Procedure

© 2010 General Motors Corporation. All rights reserved.

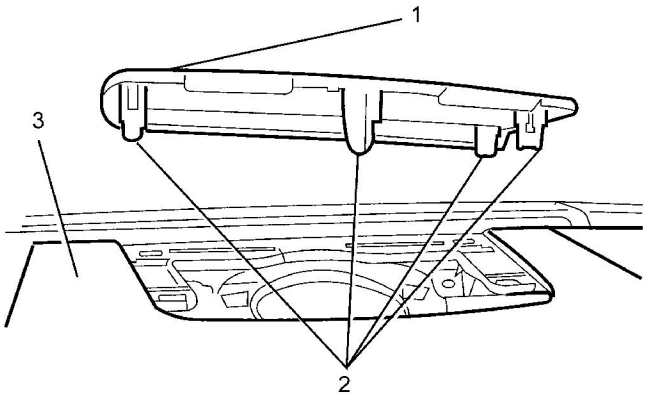


1. Align the center A pillar ventilation trim panel (2) to the A pillar and correctly locate the upper clips (1).
2. Install the center A pillar ventilation trim panel (2) to the A pillar by engaging the retaining clips (1).
3. Ensure all clips are installed correctly.
4. Install the instrument panel outer trim cover. Refer to Instrument Panel Outer Trim Cover Replacement.

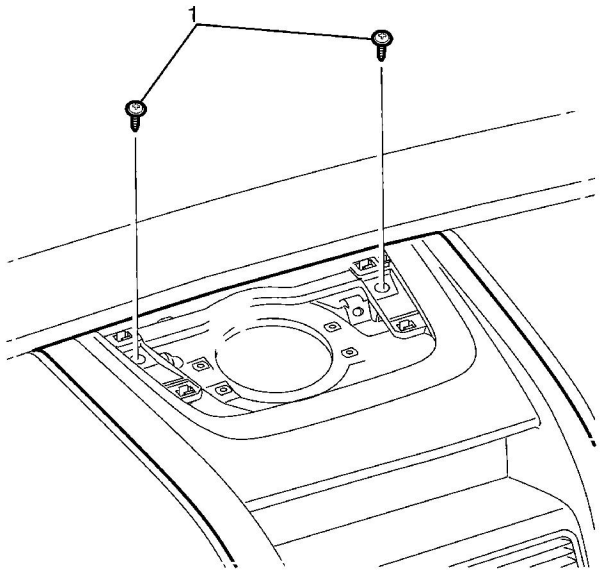
Instrument Panel Center Trim Panel Replacement

Removal Procedure

1. Remove the knee bolster. Refer to Knee Bolster Replacement.
2. Remove the instrument panel compartment. Refer to Instrument Panel Compartment Replacement.
3. Remove the radio fascia. Refer to Driver Information Display Replacement.

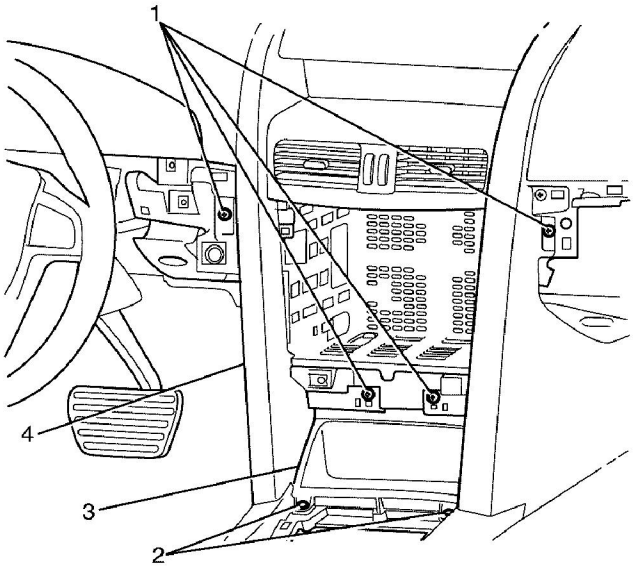


4. Remove the I/P upper trim panel (1) by disengaging the trim panel retaining clips (2) and removing the I/P upper trim panel from the I/P pad (3).



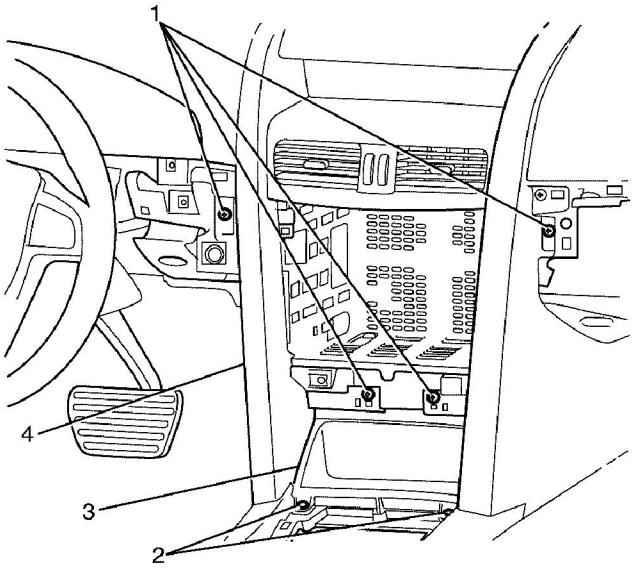
© 2010 General Motors Corporation. All rights reserved.

5. Remove the centre trim panel to I/P pad retaining screws (1).



6. Remove the centre trim panel to I/P retaining screws (1).
7. Remove the centre trim panel storage bin to console retaining screws (2).
8. Remove the centre trim panel storage bin (3).
9. Disengage the centre trim panel to I/P pad retaining clips, located at the top of the centre trim panel (4).
10. Remove the trim panel.

Installation Procedure

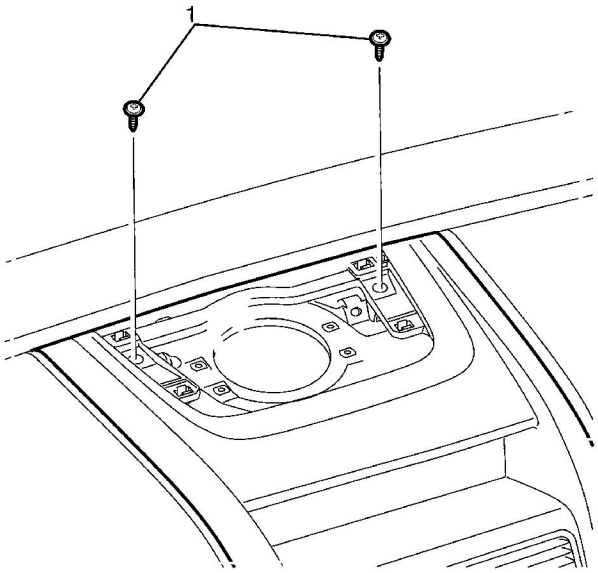


1. Align the centre trim panel (4) with the I/P.
2. Engage the centre trim panel to I/P pad retaining clips, located at the top of the centre trim

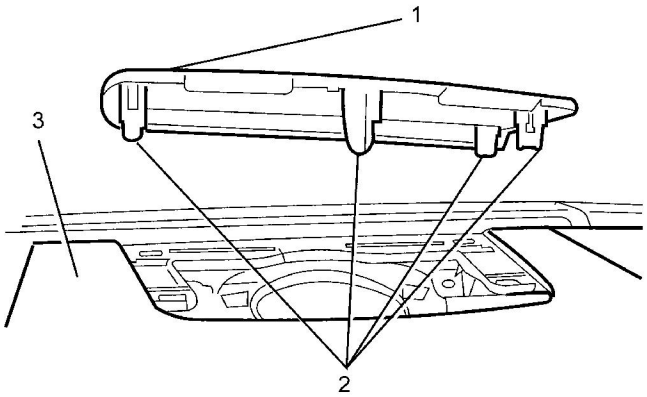
panel (4).

Caution: Refer to Fastener Caution in the Preface section.

3. Install the centre trim panel to I/P retaining screws (1) and tighten to **2 N·m (18 lb in)**.
4. Install the centre trim panel storage bin (3).
5. Install the centre trim panel storage bin to console retaining screws (2) and tighten to **2 N·m (18 lb in)**.



6. Install the top trim panel to I/P pad retaining screws (1) and tighten to **2 N·m (18 lb in)**.

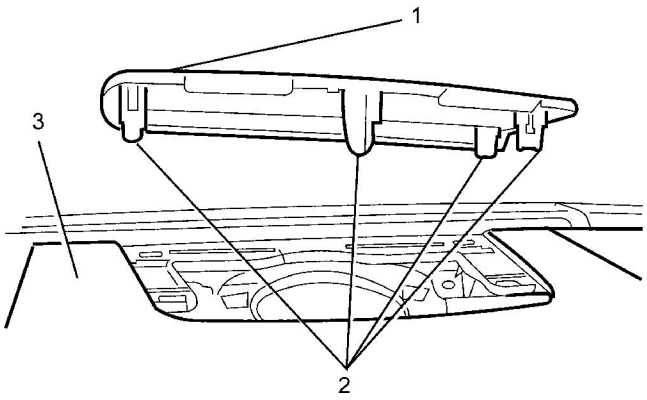


7. Install the trim panel top cover (1) by engaging the trim panel retaining clips (2) and securing it to the I/P pad.
8. Ensure the trim panel (1) is flush with the I/P pad.
9. Install the I/P trim panel. Refer to Instrument Panel Trim Panel Replacement.

10. Install the radio fascia. Refer to Driver Information Display Replacement.
11. Install the instrument panel compartment. Refer to Instrument Panel Compartment Replacement.
12. Install the knee bolster. Refer to Knee Bolster Replacement.

Instrument Panel Upper Trim Panel Replacement

Removal Procedure

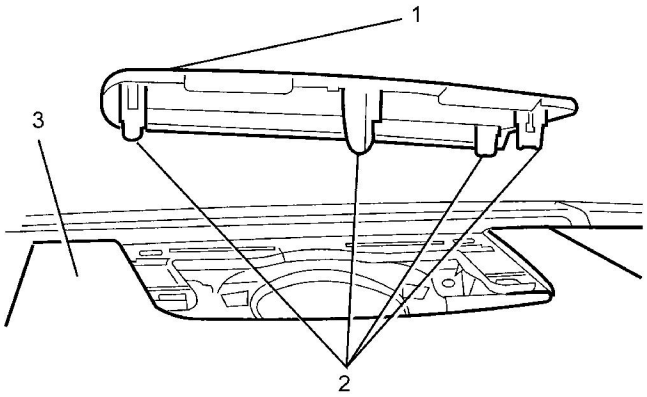


Important: Using a suitable tool, pry the instrument panel (I/P) upper trim panel (1) upwards to disengage the I/P upper trim panel retaining clips (2).

1. Disengage the I/P upper trim panel retaining clips (2) and remove the I/P upper trim panel (1) from the I/P pad (3).
2. Remove the I/P upper trim panel (1) from the vehicle.

Installation Procedure

© 2010 General Motors Corporation. All rights reserved.

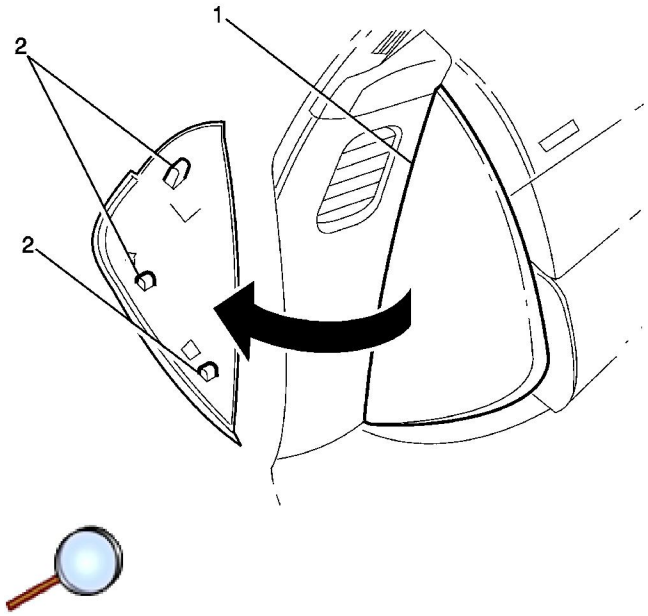


1. Install the I/P upper trim panel (1) by engaging the I/P upper trim panel retaining clips (2) to the I/P pad (3).
2. Ensure the I/P upper trim panel (1) is located flush with the I/P pad (3).

Instrument Panel Outer Trim Cover Replacement

Removal Procedure

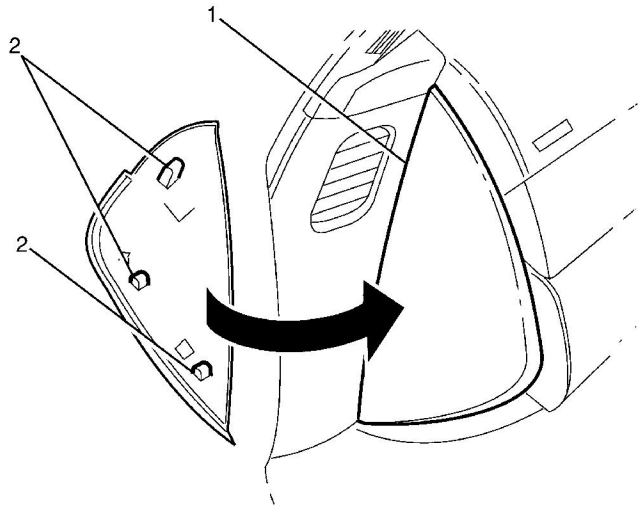
1. Remove the I/P trim panel. Refer to Instrument Panel Trim Panel Replacement.



2. Grasp the lower area of the instrument panel outer cover (1) and carefully pull to disengage the retaining clips (2). The left side is shown, the right side is similar.
3. Remove the instrument panel outer cover (1) rotating upwards to disengage remaining clip (2).

Installation Procedure

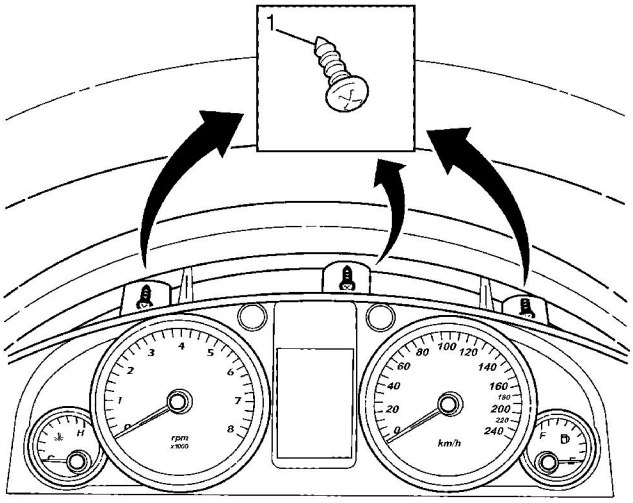
© 2010 General Motors Corporation. All rights reserved.



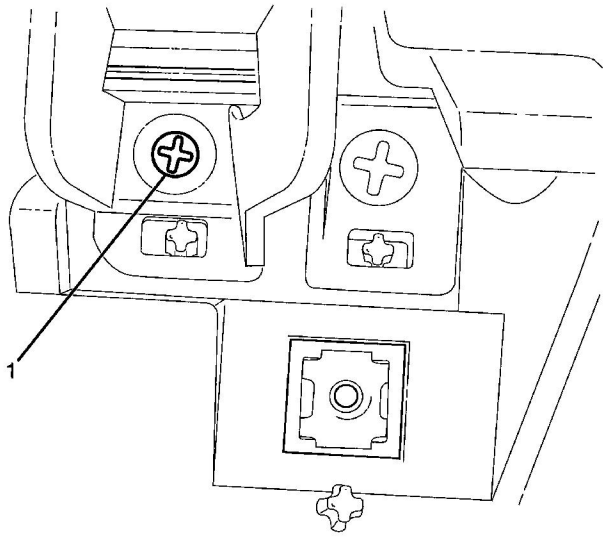
1. Align the instrument panel outer cover (1) to the I/P and correctly locate the upper clips (2).
2. Install the instrument panel outer cover (1) to the I/P by disengaging the retaining clips (2).
3. Install the I/P trim panel. Refer to Instrument Panel Trim Panel Replacement.
4. Ensure all clips are installed correctly.

Instrument Cluster Trim Panel Replacement

Removal Procedure



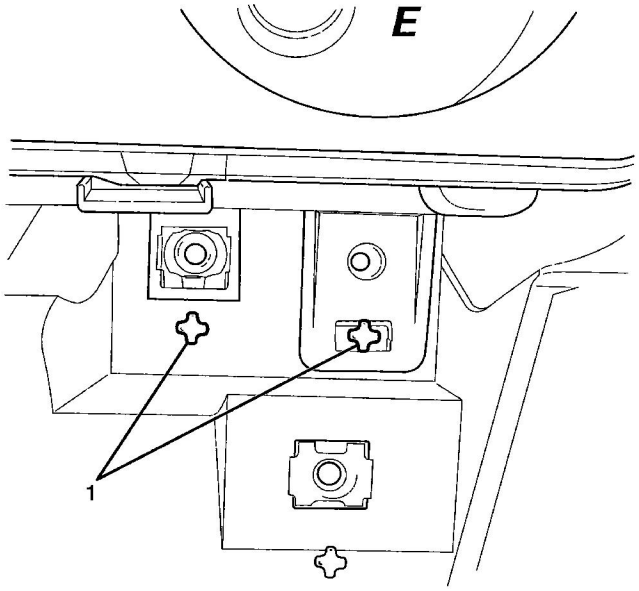
1. Remove the upper instrument cluster trim panel to I/P trim pad retaining screws (1).



2. Remove the lower instrument cluster to I/P pad retaining screws (1), located on either side of the instrument cluster trim panel.
3. Using a suitable tool, carefully remove the top of the trim panel toward the steering wheel.
4. Remove the instrument cluster trim panel.

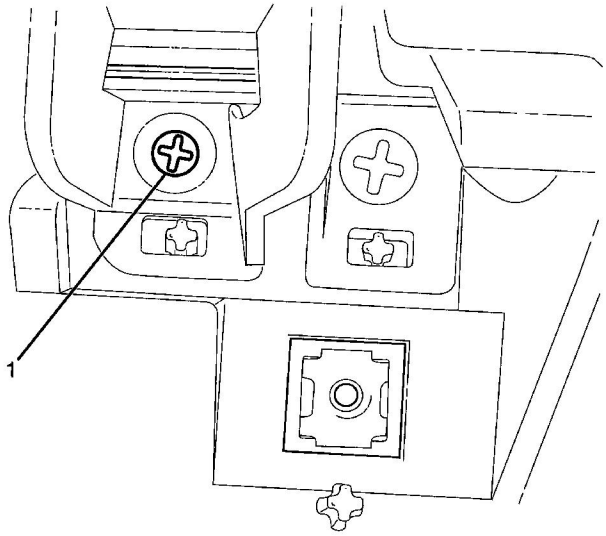
© 2010 General Motors Corporation. All rights reserved.

Installation Procedure

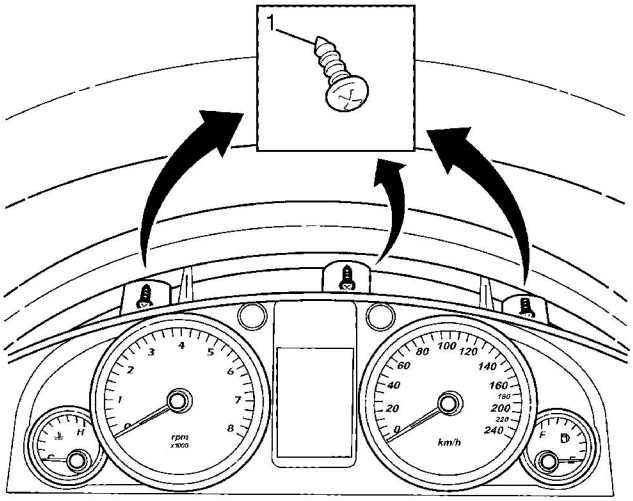


1. When installing the instrument cluster trim panel, make sure the locating lugs (1) are correctly located.
2. Install the instrument cluster trim panel.

Caution: Refer to Fastener Caution in the Preface section.



3. Install the lower instrument cluster trim panel to I/P pad retaining screws (1) and tighten to **2 N·m (18 lb in)**.

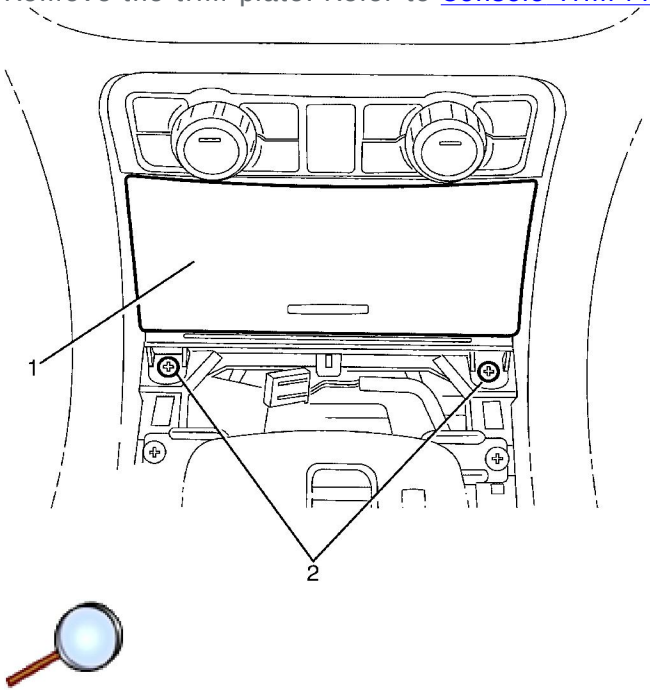


4. Install the upper instrument cluster trim panel to I/P trim pad retaining screws (1) and tighten to **2 N·m (18 lb in)**.

Instrument Panel Storage Compartment Replacement

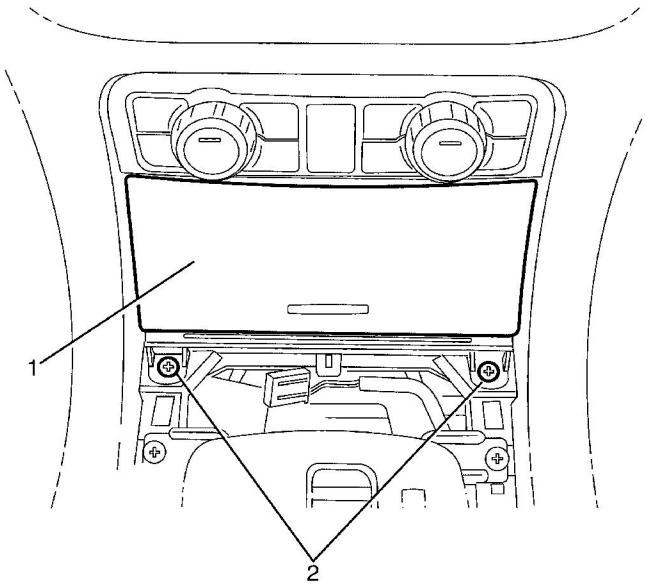
Removal Procedure

1. Remove the trim plate. Refer to Console Trim Plate Replacement.



2. Remove the storage compartment (1) to I/P tower retaining screws (2).
3. Remove the storage compartment (1) from the I/P tower.

Installation Procedure



© 2010 General Motors Corporation. All rights reserved.

1. Install the storage compartment (1) to the I/P tower.

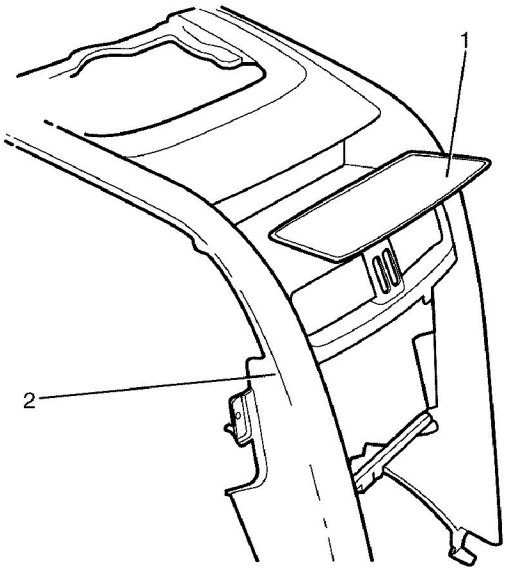
   Caution: Refer to Fastener Caution in the Preface section.

2. Install the storage compartment to I/P tower retaining screws (2) and tighten to **2 N·m (18 lb in)**.
3. Install the trim plate. Refer to Console Trim Plate Replacement.
4. Operate the storage compartment lid for correct operation.

Instrument Panel Center Compartment Replacement

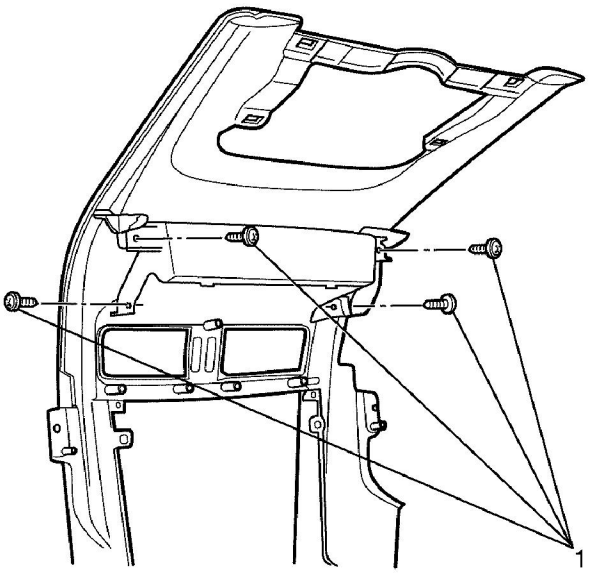
Removal

1. Remove the instrument panel (I/P) center trim panel. Refer to Instrument Panel Center Trim Panel Replacement.



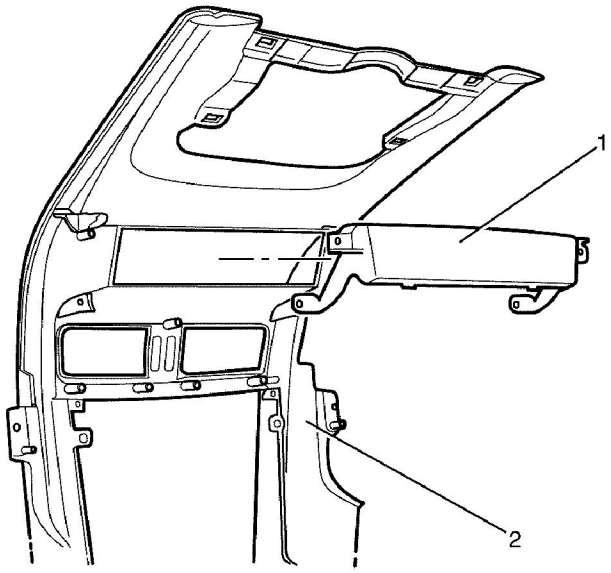
2. Peel and remove the rubber mat (1) from the I/P center trim panel (2).

   Discard the rubber mat



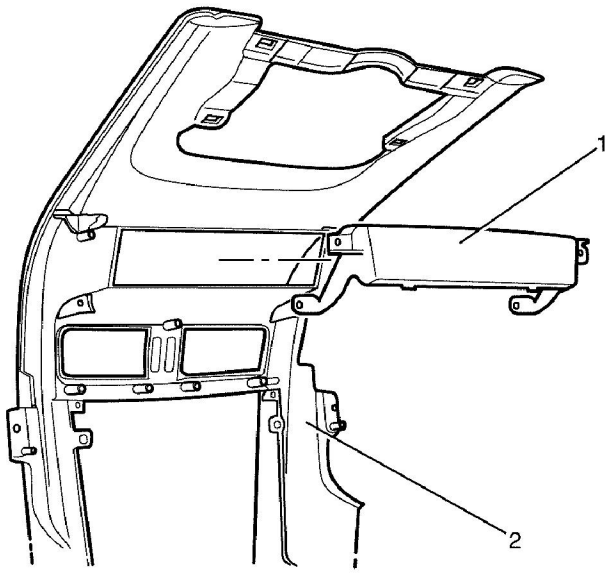
© 2010 General Motors Corporation. All rights reserved.

3. Remove the I/P center compartment to I/P center trim panel retaining screws (1).



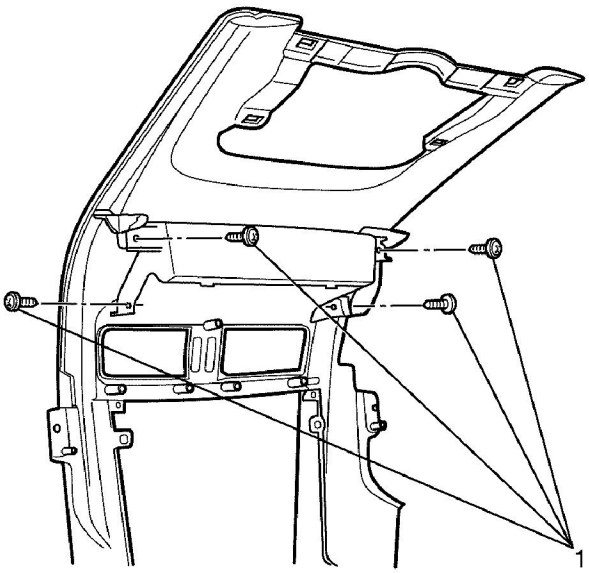
4. Remove the I/P center compartment (1) from the I/P center trim panel (2).

Installation

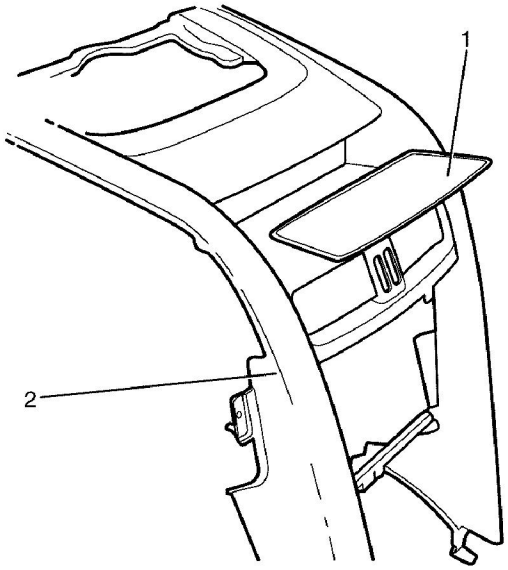


1. Install the I/P center compartment (1) to the I/P center trim panel (2).

Caution: Refer to Fastener Caution in the Preface section.



2. Install the I/P center compartment to I/P center trim panel retaining screws (1) and tighten to 2 N·m (18 lb in).



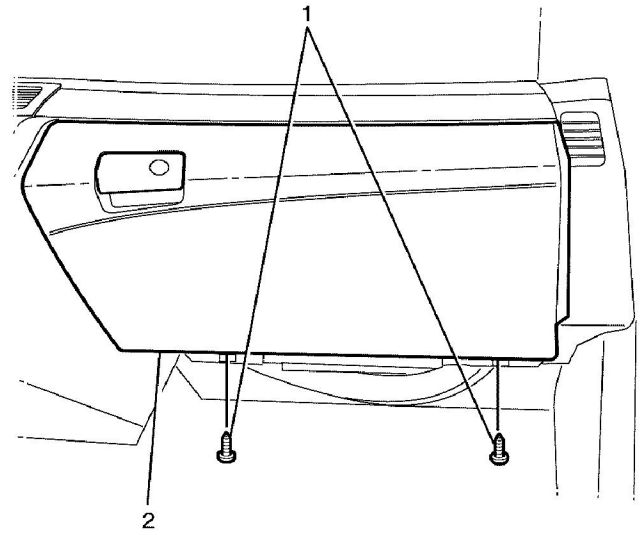
Notes: Always use a new rubber mat.

3. Clean the I/P center trim panel surface with a suitable cleaning solution to remove any remaining adhesive, using a lint free cloth.
4. Peel the adhesive backing from the new rubber mat.
5. Install the rubber mat (1) to the I/P center trim panel (2).
6. Install the I/P center trim panel. Refer to Instrument Panel Center Trim Panel Replacement.

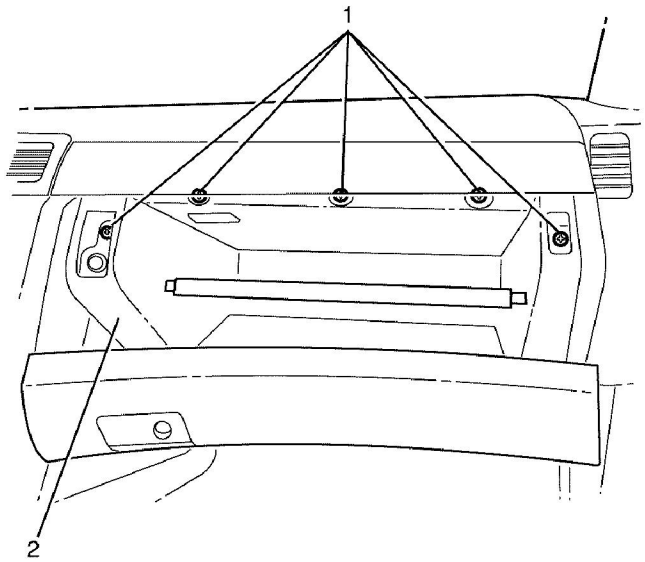
Instrument Panel Compartment Replacement

Removal Procedure

1. Remove the close out panel. Refer to Instrument Panel Insulator Panel Replacement - Left Side.
2. Remove the instrument panel outer trim cover. Refer to Instrument Panel Outer Trim Cover Replacement.

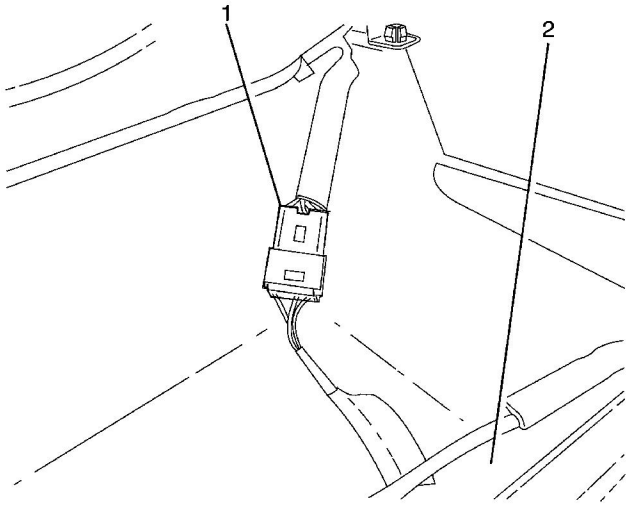


3. Remove the I/P compartment assembly lower retaining screws (1).
4. Open the I/P compartment assembly door (2).



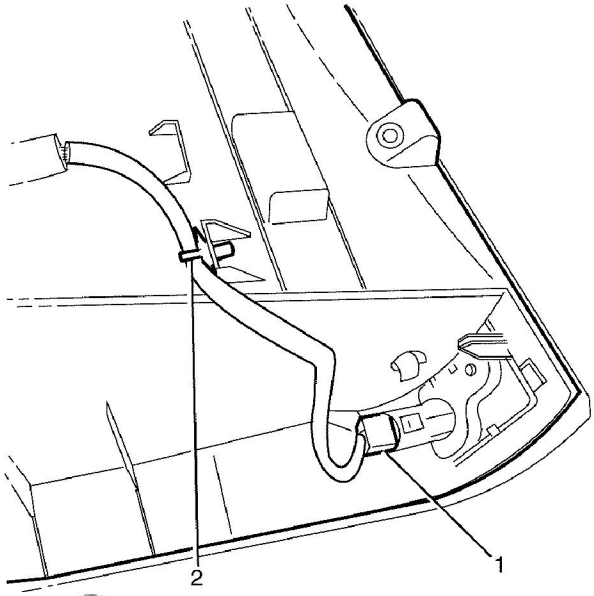
© 2010 General Motors Corporation. All rights reserved.

5. Remove the I/P compartment upper retaining screws (1).
6. Remove the I/P compartment (2).

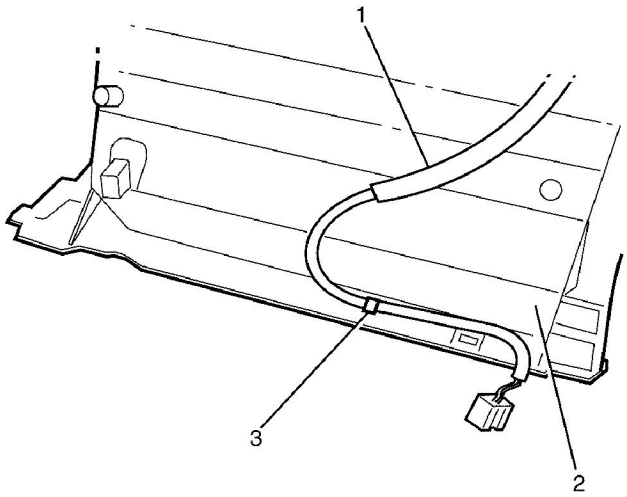


7. Disconnect the I/P compartment electrical connector (1).

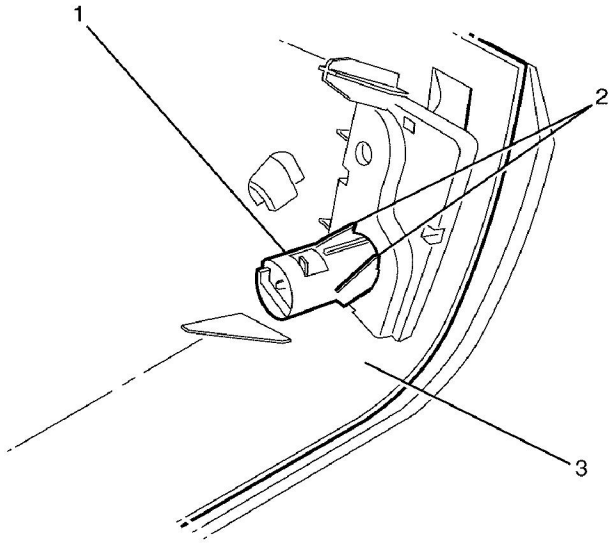
Disassemble Procedure



1. Disconnect the rear compartment release button electrical connector (1).
2. Detach the I/P compartment electrical harness retaining clip (2).

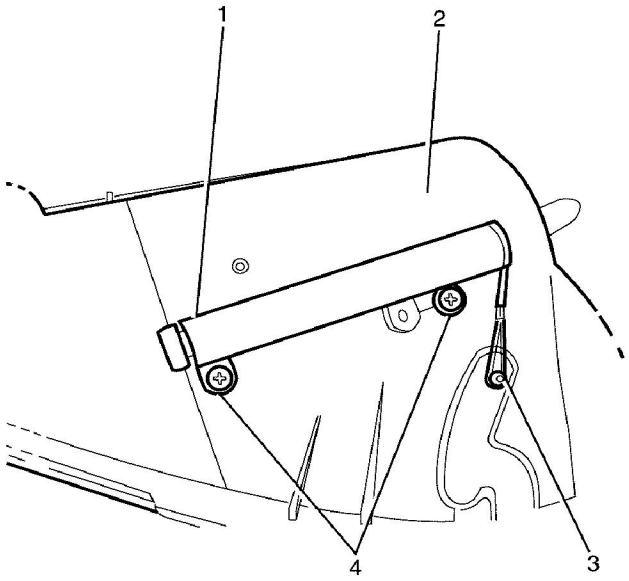


3. Detach the I/P compartment wiring harness retaining clip (3).
4. Remove the I/P compartment wiring harness (1) from the I/P compartment (2).

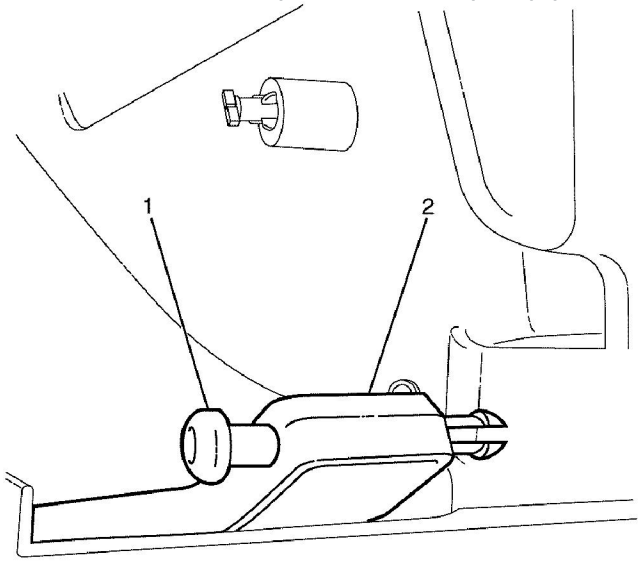


Note: Press the retaining clips (2) and push the rear compartment release button (1) through the I/P compartment (3) to remove.

5. Remove the rear compartment release button (1) from the I/P compartment (3).



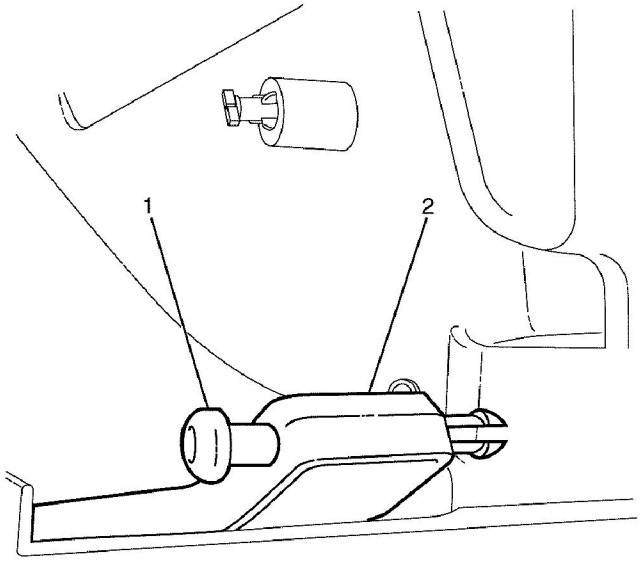
6. Remove the I/P compartment damper (1) cord by detaching from the securing hook (3).
7. Remove the I/P compartment damper retaining screws (4).
8. Remove the I/P compartment damper (1) from the I/P compartment (2).



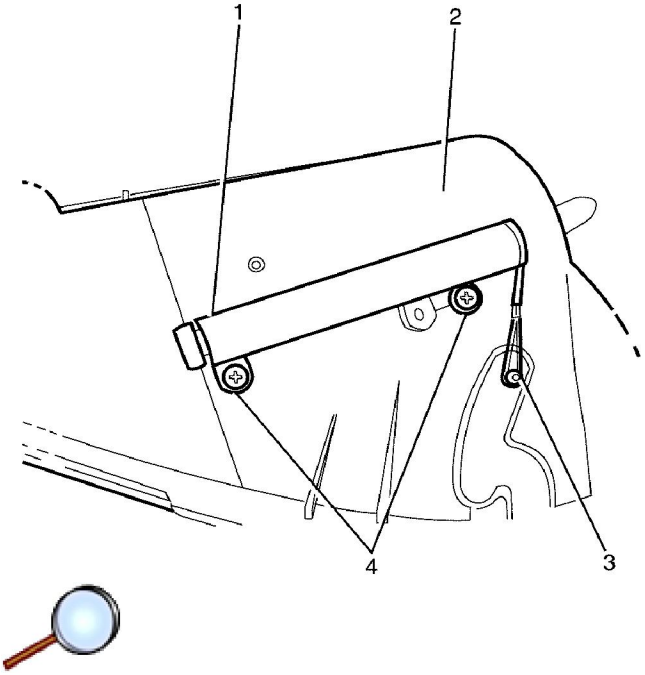
9. Remove the I/P compartment door hinge retaining pins (1), located on either side of the I/P compartment door (2).
10. Remove the I/P compartment door (2).

Assemble Procedure

1. Align the I/P compartment door with the I/P compartment.



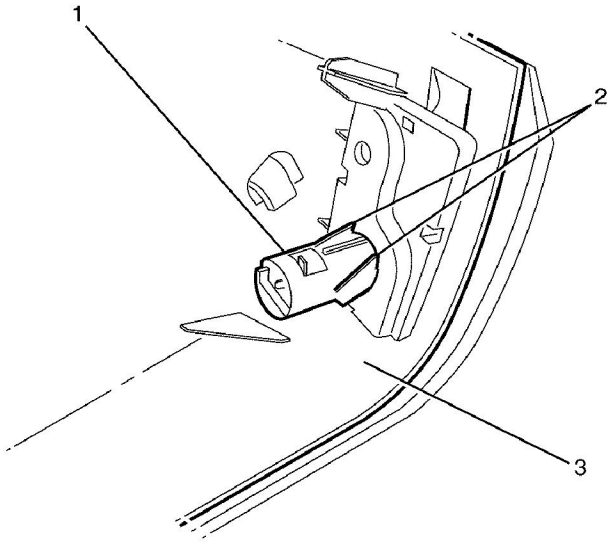
2. Install the I/P compartment door hinge retaining pins (2) to the I/P compartment door (1).



3. Install the I/P compartment damper (1) to the I/P compartment (2).

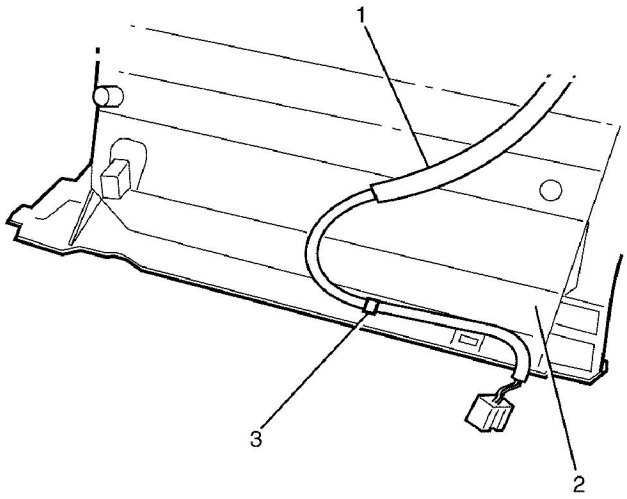
Caution: Refer to Fastener Caution in the Preface section.

4. Install the I/P compartment damper retaining screws (4) and tighten to **2 N·m (18 lb in)**.
5. Install the I/P compartment damper (1) cord by attaching to the securing hook (3).

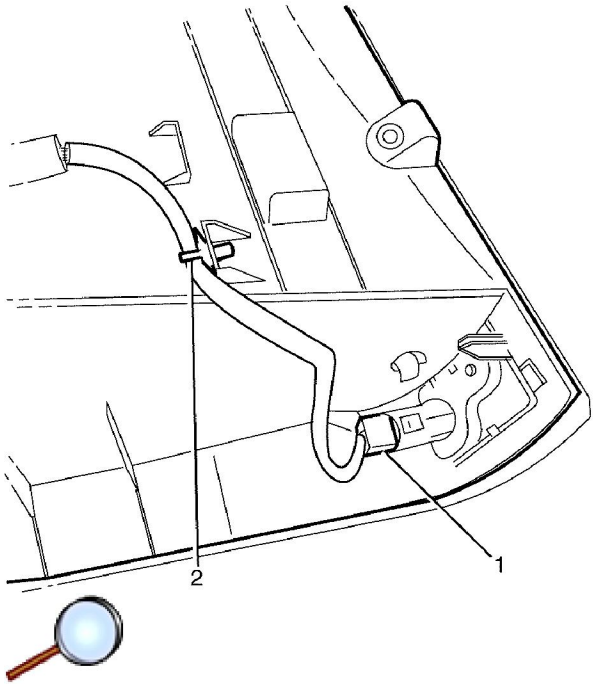


Note: When installing the rear compartment release button, take care not to damage the retaining clips (2).

6. Install the rear compartment release button (1) to the I/P compartment (3), listen for an audible click to confirm fitting.

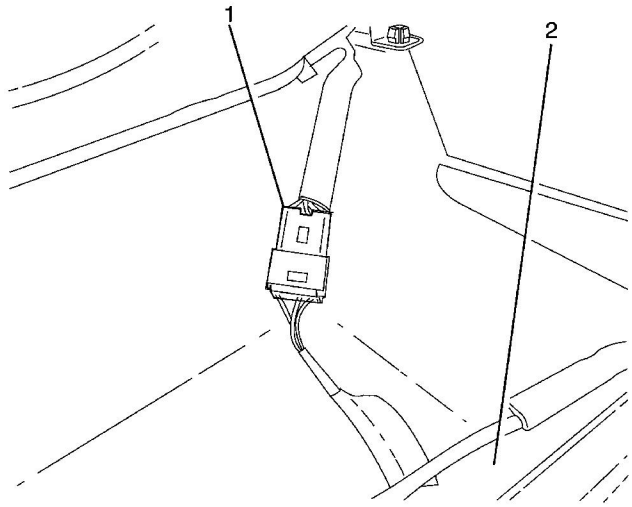


7. Position the I/P compartment wiring harness (1) to the I/P compartment (2).
8. Attach the I/P compartment wiring harness retaining clip (3).

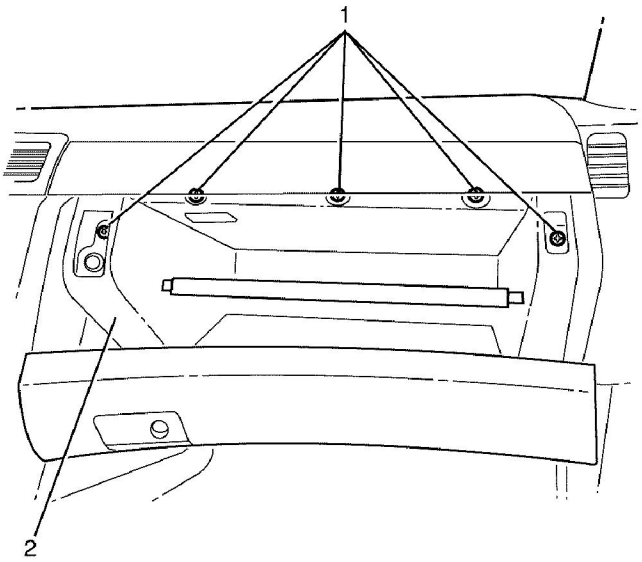


9. Connect the rear compartment release button electrical connector (1).
10. Attach the I/P compartment wiring harness retaining clip (2).

Installation Procedure



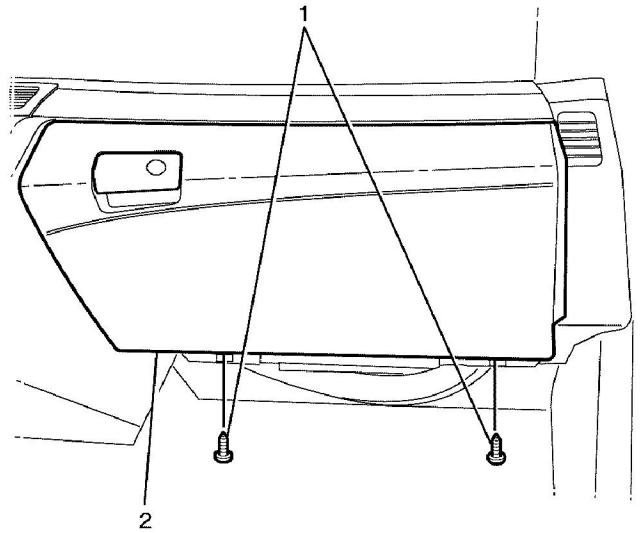
1. Connect the I/P compartment electrical connector (1).



2. Install the I/P compartment (2).

Caution: Refer to Fastener Caution in the Preface section.

3. Install the I/P compartment upper retaining screws (1) and tighten to **2 N·m (18 lb in)**.



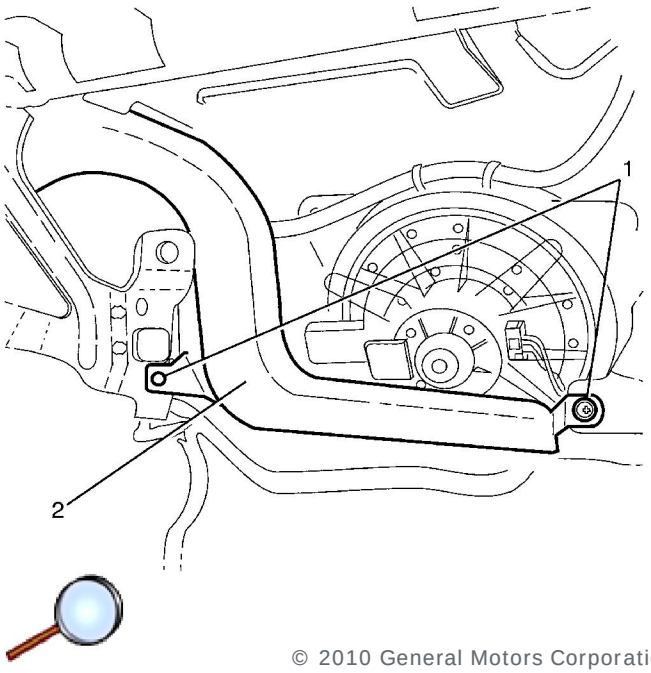
4. Close the I/P compartment assembly door (2).
5. Install the I/P compartment lower retaining screws (1) and tighten to **2 N·m (18 lb in)**.
6. Install the instrument panel outer trim cover. Refer to Instrument Panel Outer Trim Cover Replacement.
7. Install the close out panel. Refer to Instrument Panel Insulator Panel Replacement - Left Side.
8. Test all electrical components for corrected operation.

Instrument Panel Upper Trim Pad Replacement

Removal Procedure

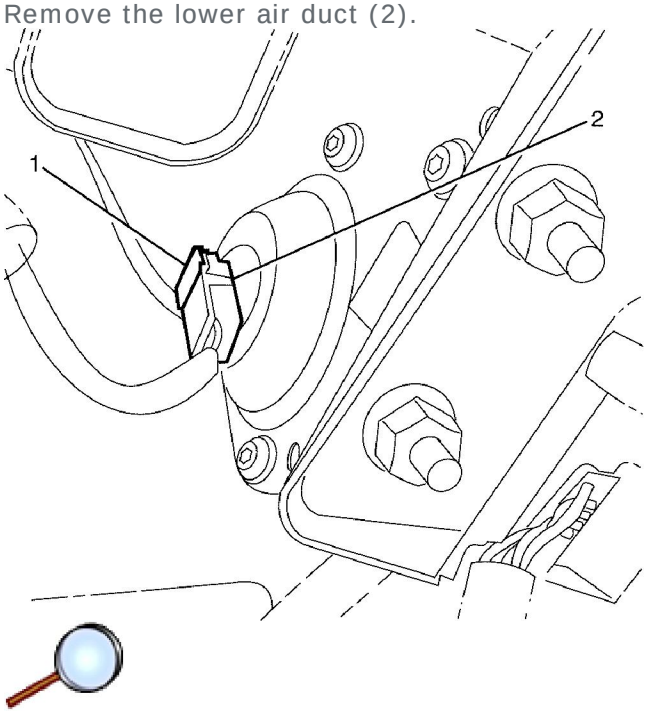
Warning: Refer to Battery Disconnect Warning in the Preface section.

1. Disconnect the battery ground cable from the battery. Refer to Battery Negative Cable Disconnection and ConnectionBattery Negative Cable Disconnection and Connection.
2. Disable the SIR system. Refer to SIR Disabling and EnablingSIR Disabling and Enabling.
3. Remove the I/P compartment. Refer to Instrument Panel Compartment ReplacementInstrument Panel Compartment Replacement.
4. Remove the trim panel - (I/P) Upper. Refer to Instrument Panel Upper Trim Panel ReplacementInstrument Panel Upper Trim Panel Replacement
5. Remove the outer trim cover. Refer to Instrument Panel Outer Trim Cover ReplacementInstrument Panel Outer Trim Cover Replacement.
6. Remove the ventilation trim panel. Refer to Instrument Panel Side Trim Panel ReplacementInstrument Panel Side Trim Panel Replacement.
7. Remove the trim plate - console side. Refer to Front Floor Console Side Trim Panel Replacement - Right SideFront Floor Console Side Trim Panel Replacement - Right Side.
8. Remove the instrument panel trim panel. Refer to Instrument Panel Trim Panel ReplacementInstrument Panel Trim Panel Replacement.
9. Remove the instrument cluster. Refer to Instrument Cluster ReplacementInstrument Cluster Replacement.
10. Remove the defroster grill. Refer to Defroster Grille ReplacementDefroster Grille Replacement.
11. Remove the knee bolster. Refer to Knee Bolster ReplacementKnee Bolster Replacement.
12. Remove the instrument panel center trim panel. Refer to Instrument Panel Center Trim Panel ReplacementInstrument Panel Center Trim Panel Replacement.
13. Remove the I/P centre speaker. Refer to Radio Front Speaker ReplacementRadio Front Speaker Replacement.

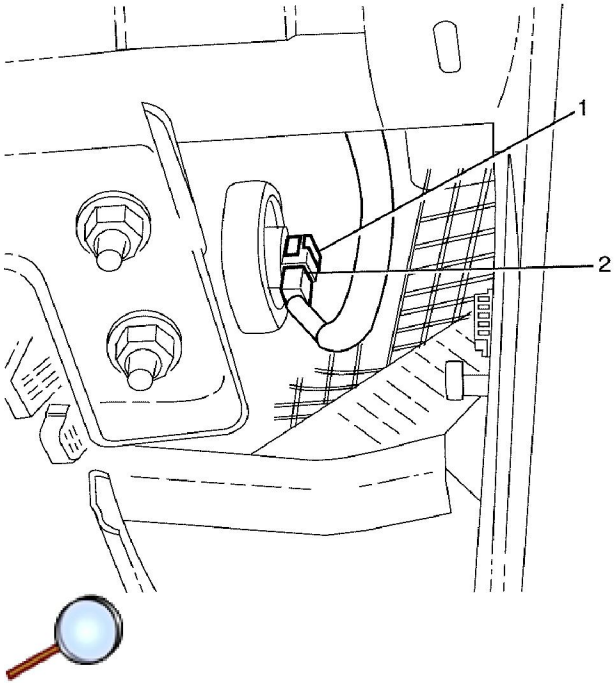


© 2010 General Motors Corporation. All rights reserved.

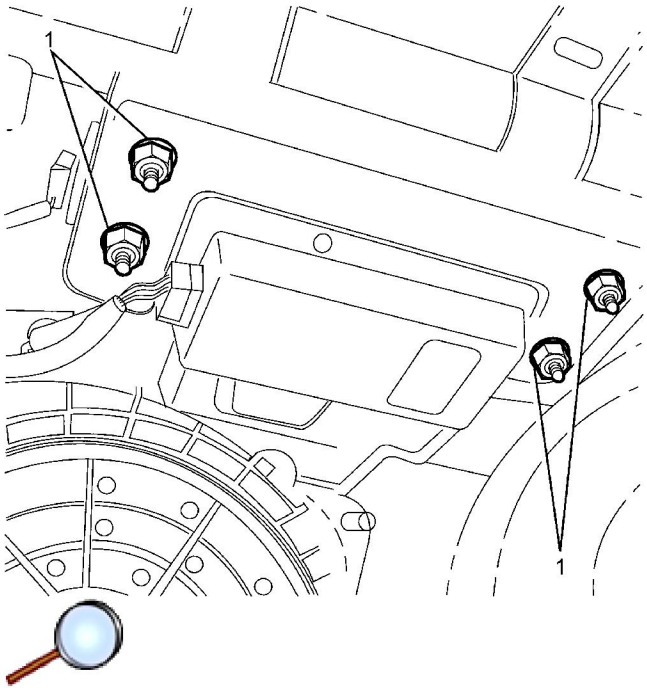
14. Remove the lower air duct retaining clips (1).
15. Remove the lower air duct (2).



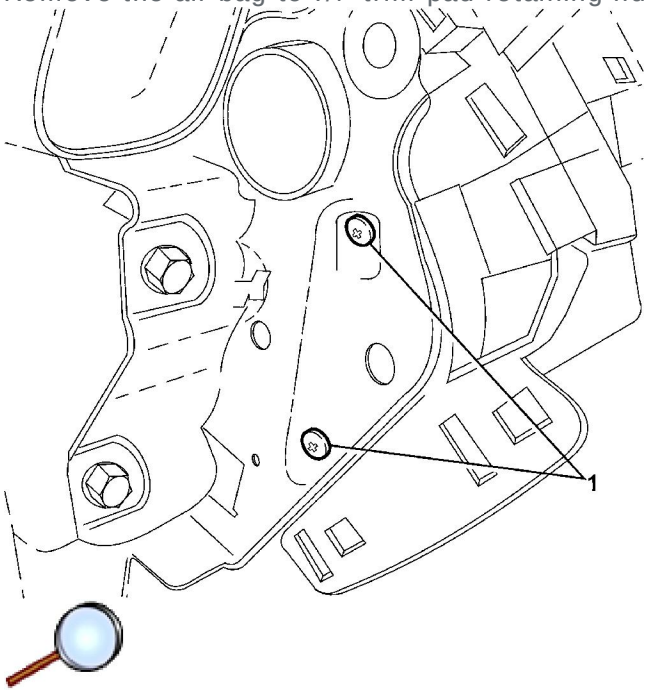
16. Release the air bag electrical connector retaining clip (1) and disconnect the electrical connector (2).



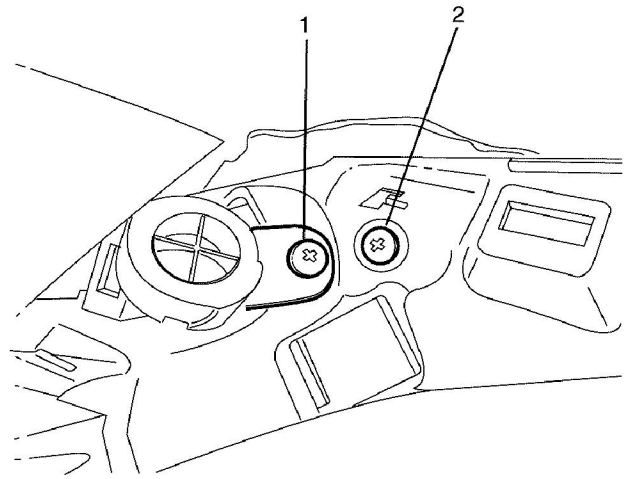
17. Release the air bag electrical connector retaining clip (1) and disconnect the electrical connector (2).



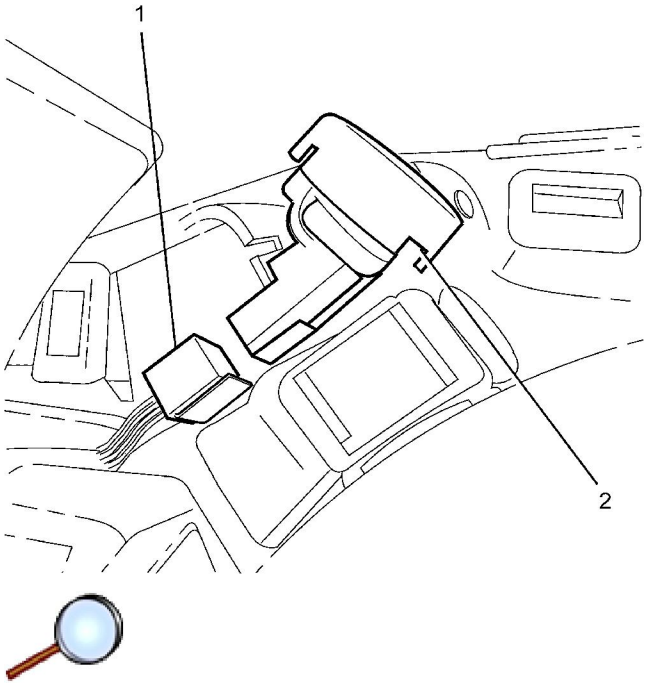
18. Remove the air bag to I/P trim pad retaining nuts (1).



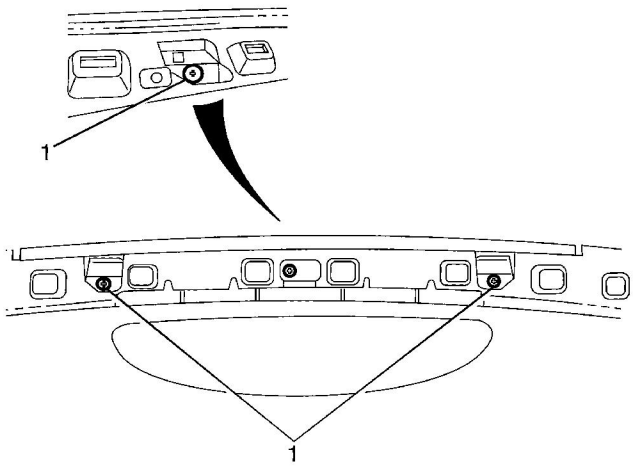
19. Remove the I/P carrier to I/P pad outer retaining screws (1).



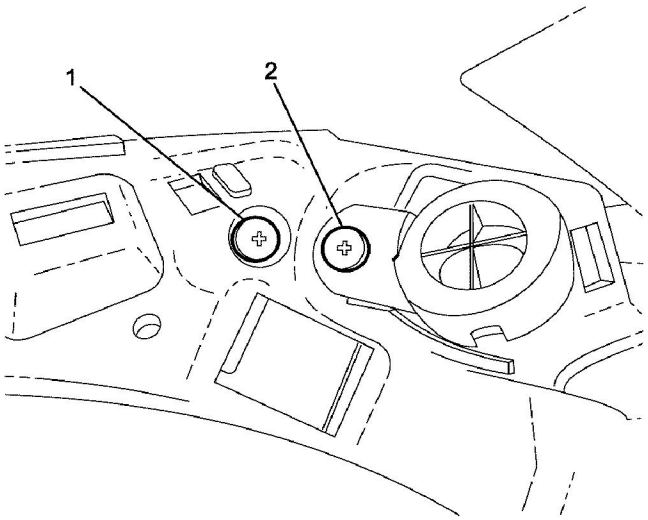
20. Remove the left hand tweeter to I/P pad retaining screw (1).
21. Remove the I/P pad retaining screw (2).



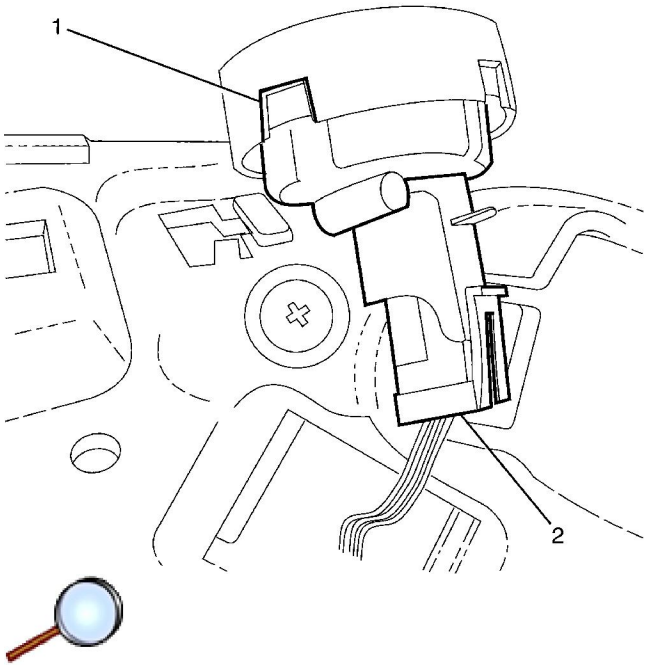
22. Disconnect the left hand tweeter electrical connector (1).
23. Remove the left hand tweeter (2).



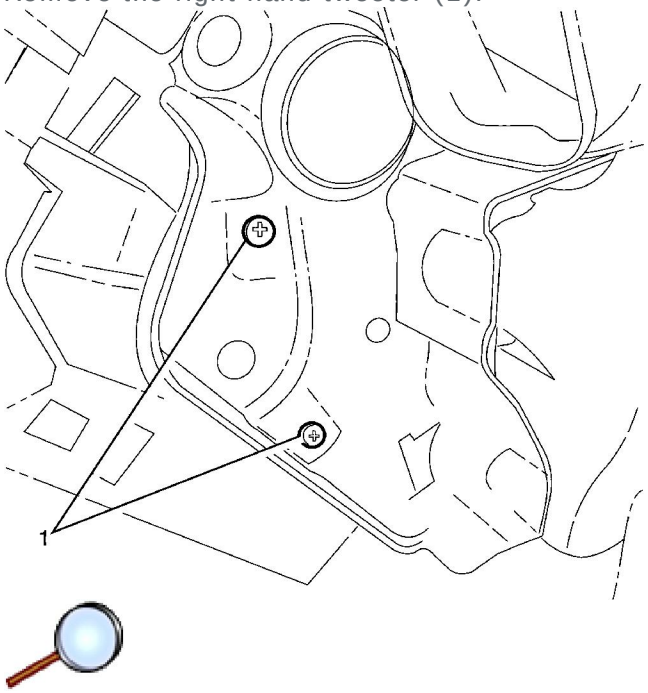
24. Remove the top I/P pad to I/P carrier retaining screws (1).



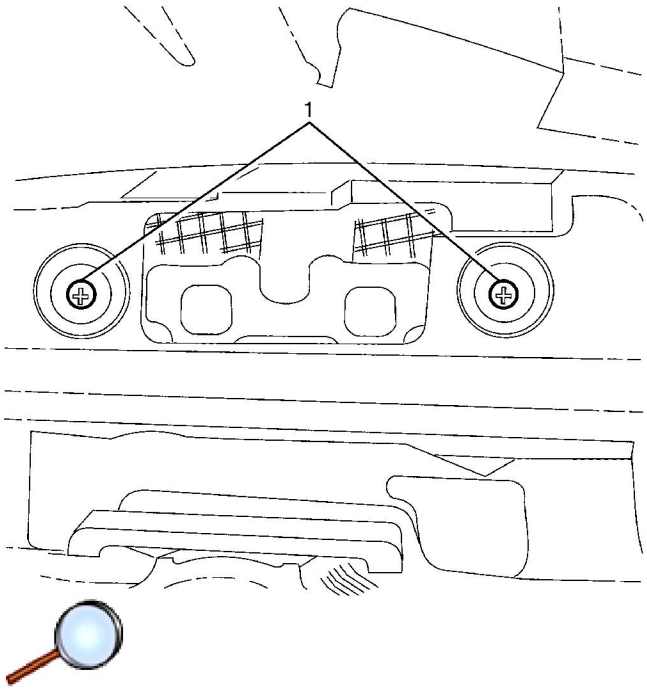
25. Remove the right hand tweeter to I/P pad retaining screw (2).
26. Remove the I/P pad to I/P carrier retaining screw (1).



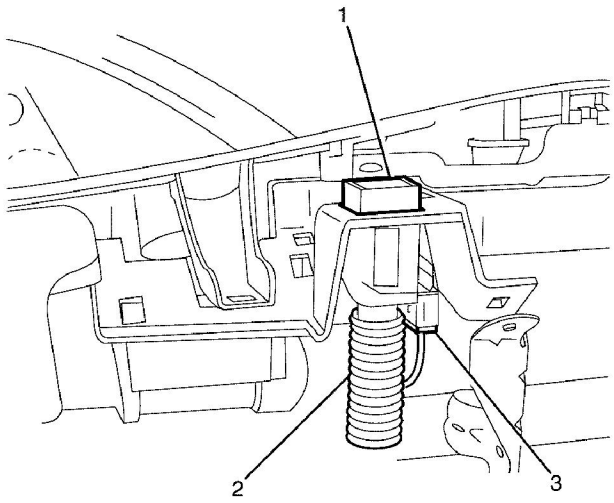
27. Disconnect the right hand tweeter electrical connector (2).
28. Remove the right hand tweeter (1).



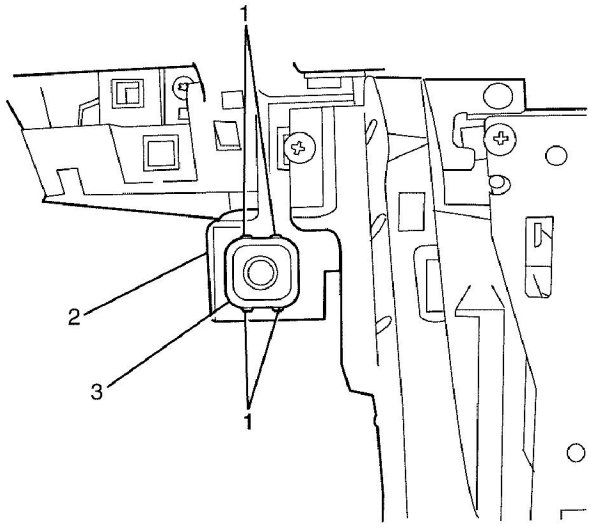
29. Remove the I/P carrier to I/P pad outer retaining screws (1).



30. Remove the instrument cluster housing to I/P pad retaining screws (1).

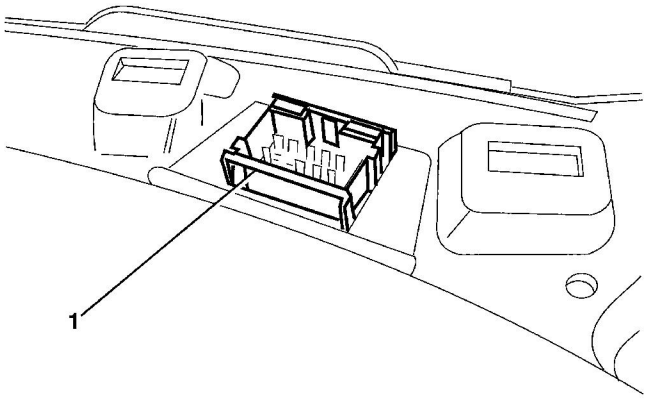


31. Remove the aspirator tube (2) from the rear of the inside air temperature sensor (1).
32. Disconnect the inside air temperature sensor electrical connector (3).

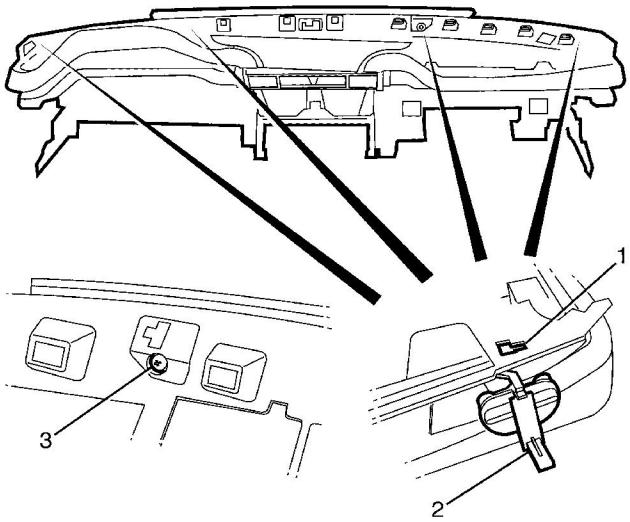


Note: From the front of the inside air temperature sensor (3) use a suitable tool to push down on the four inside air temperature sensor to instrument panel carrier retaining clips (1). Withdraw the inside air temperature sensor (1) rearwards towards the bulkhead from the instrument panel carrier (3).

33. Remove the inside air temperature sensor (3) from the instrument panel carrier (2).



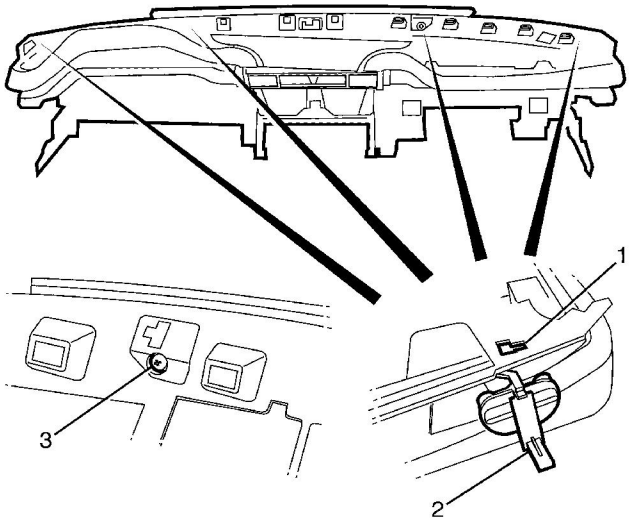
34. Detach the headliner main wiring harness connector (1).



35. With the aid of an assistant remove the I/P pad (1).
36. Place the I/P pad (1) on a clean and suitable work surface.
37. Remove the four datum pins (2) from the I/P pad (1).

Installation Procedure

1. Place the I/P pad on a clean and suitable work surface.



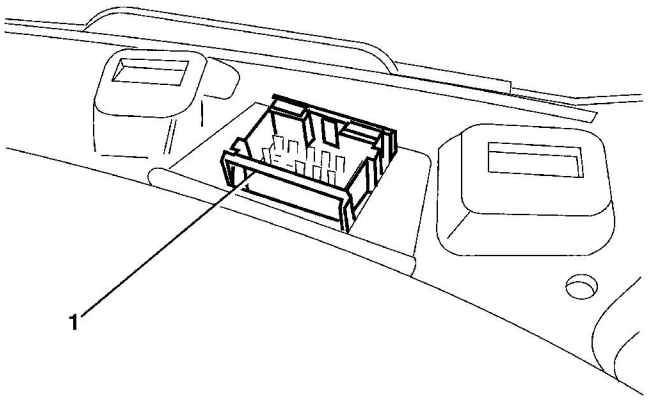
2. Install the four datum pins (2) to the I/P pad (1).

   Caution: Refer to Fastener Caution in the Preface section.

3. Secure the datum pins (2) using the datum pin retaining screws (3) and tighten to **2 N·m (18 lb in)**.

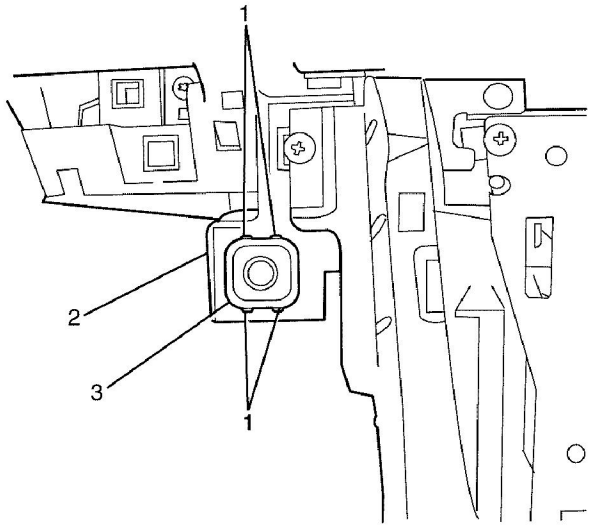
Note: Before installing the I/P pad (1), ensure all electrical connectors are correctly positioned.

4. Install the I/P pad (1) to the vehicle.



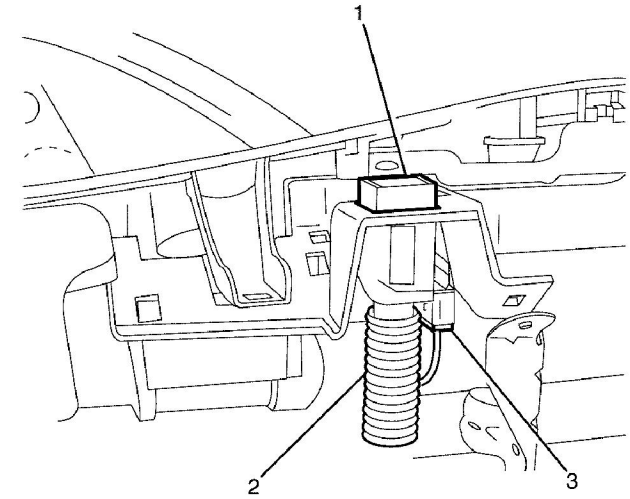
Note: If difficulty is found securing the harness connector (1) to the I/P pad, bring the I/P pad towards the steering wheel to gain access.

5. Secure the headliner main wiring harness connector (1).

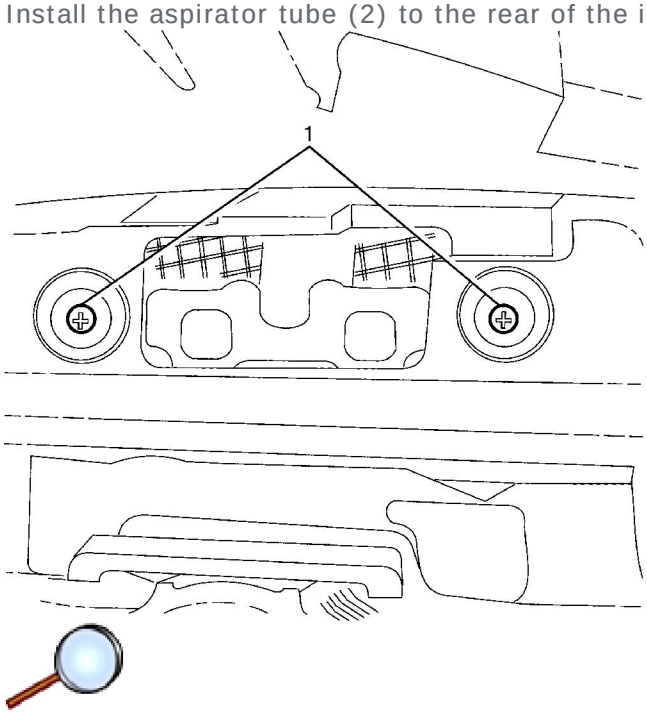


Note: Make sure the inside air temperature sensor to instrument panel carrier retaining clips (1) are correctly engaged to avoid an induced rattle condition.

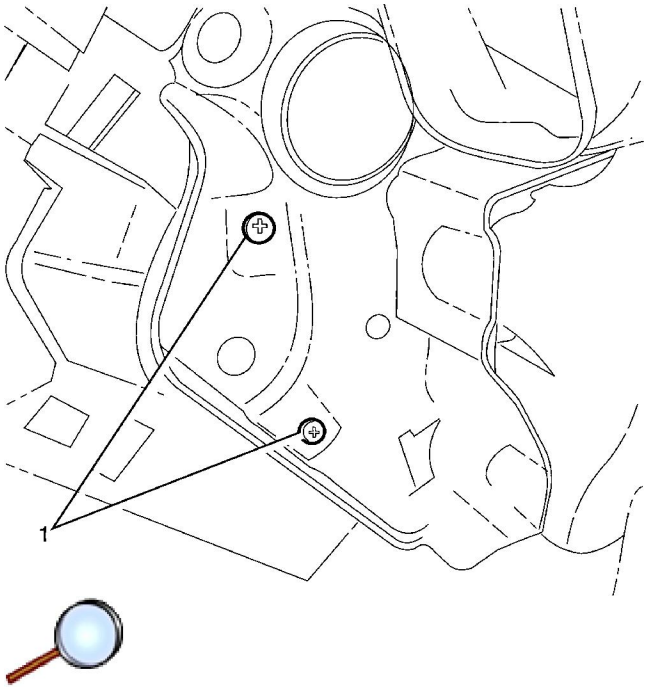
6. Install the inside air temperature sensor (3) to the instrument panel carrier (2).



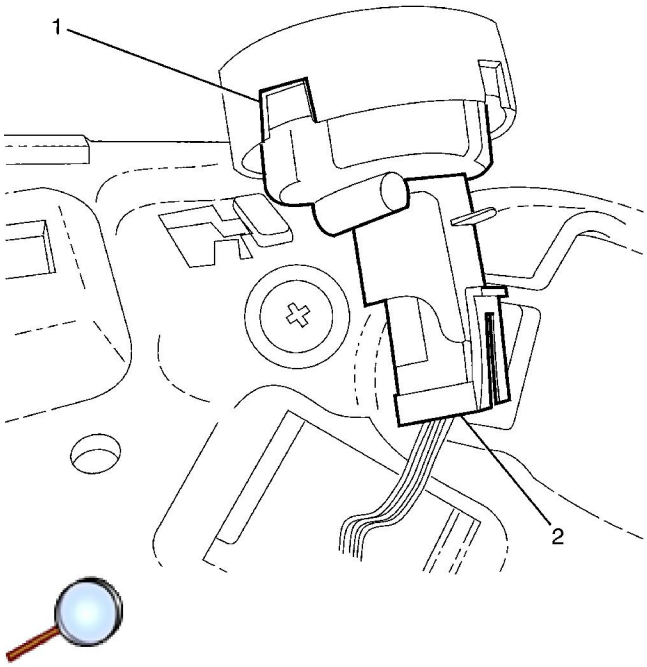
7. Connect the inside air temperature sensor electrical connector (3).
8. Install the aspirator tube (2) to the rear of the inside air temperature sensor (1).



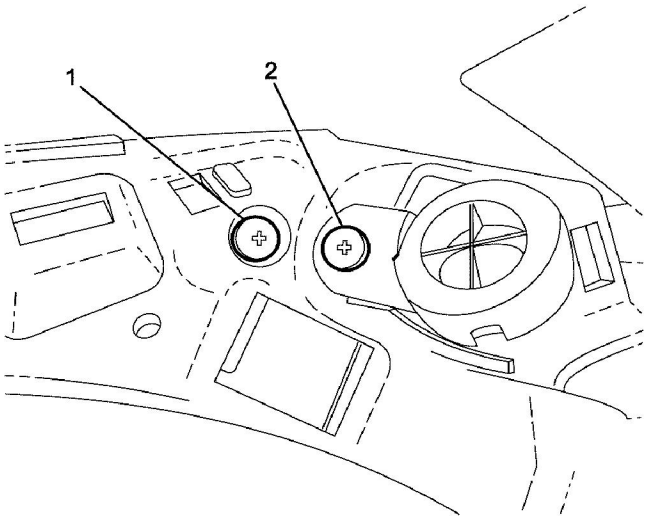
9. Install the Instrument cluster to I/P pad retaining screws (1) and tighten to **2 N·m (18 lb in)**.



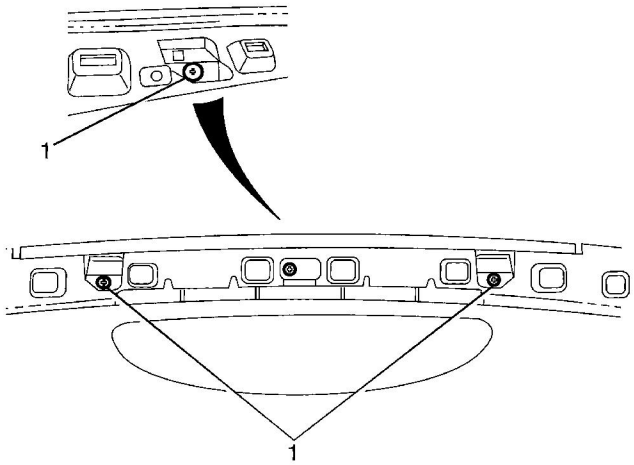
10. Install the I/P carrier to I/P pad outer retaining screws (1) and tighten to **2 N·m (18 lb in)**.



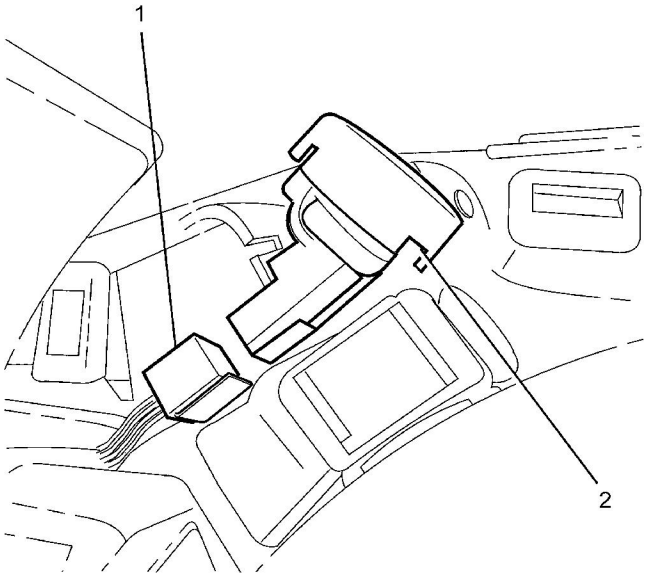
11. Connect the right hand tweeter electrical connector (2).
12. Install the right hand tweeter (1).



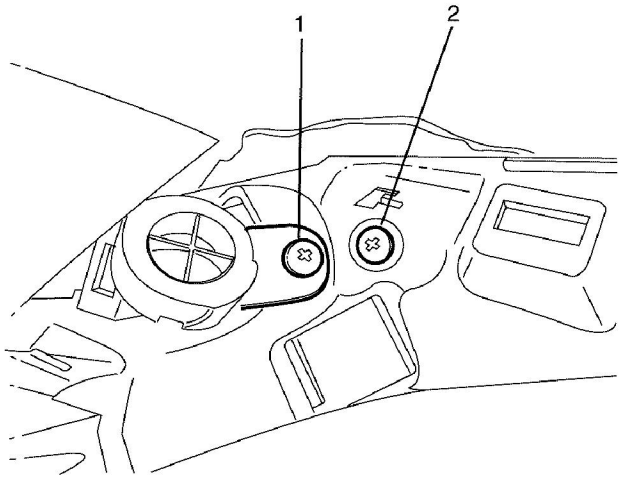
13. Install the right hand tweeter to I/P pad retaining screw (2) and tighten to **2 N·m (18 lb in)**.
14. Install the I/P pad to I/P carrier retaining screw (1) and tighten to **2 N·m (18 lb in)**.



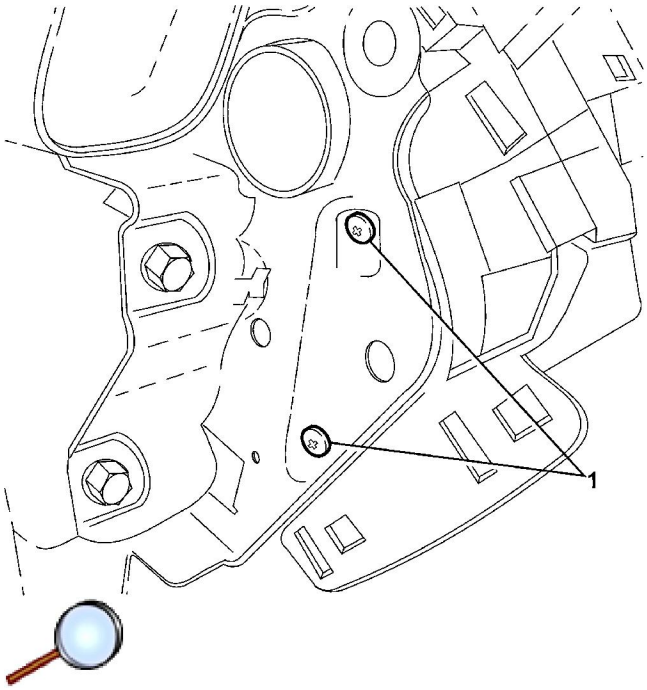
15. Install the top I/P pad to I/P carrier retaining screws (1) and tighten to **2 N·m (18 lb in)**.



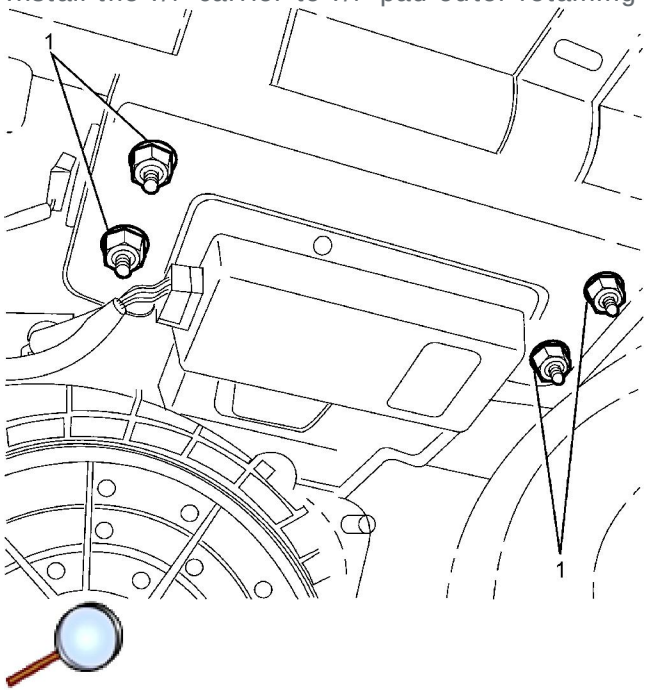
16. Connect the left hand tweeter electrical connector (1).
17. Install the left hand tweeter (2).



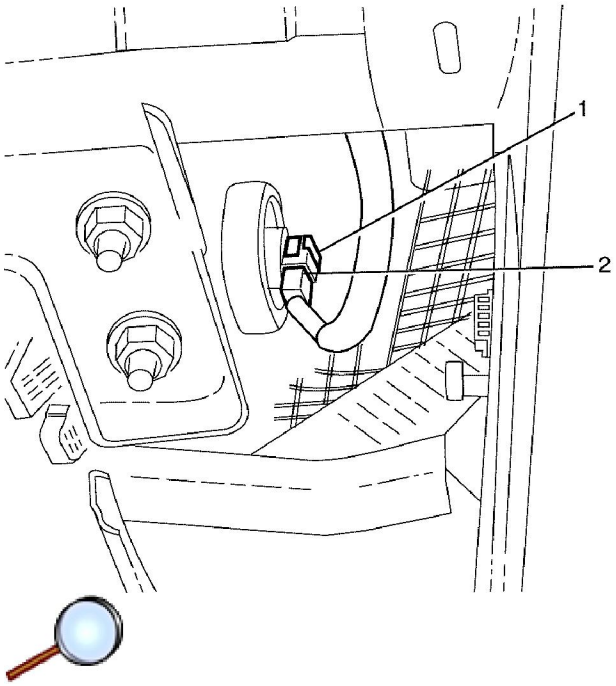
18. Install the left hand tweeter to I/P pad retaining screw (2) and tighten to **2 N·m (18 lb in).**.
19. Install the I/P pad retaining screw (3) and tighten to **2 N·m (18 lb in).**.



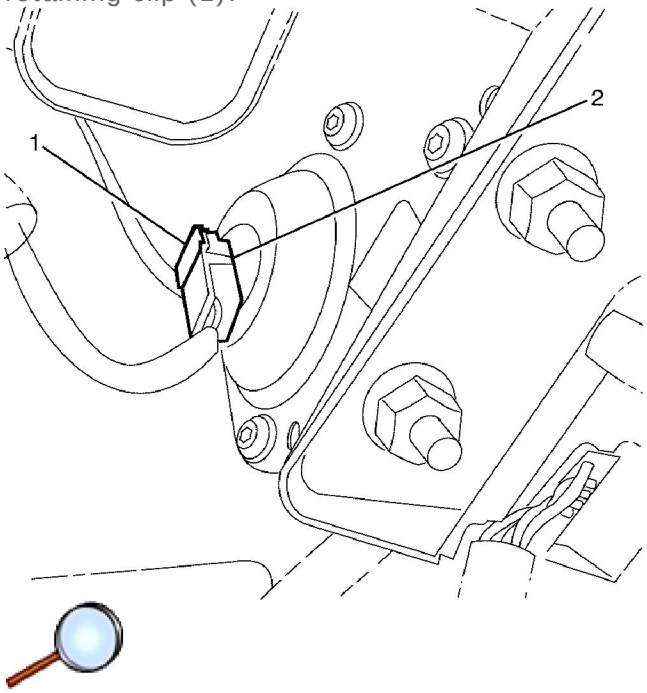
20. Install the I/P carrier to I/P pad outer retaining screws (1) and tighten to **2 N·m (18 lb in).**.



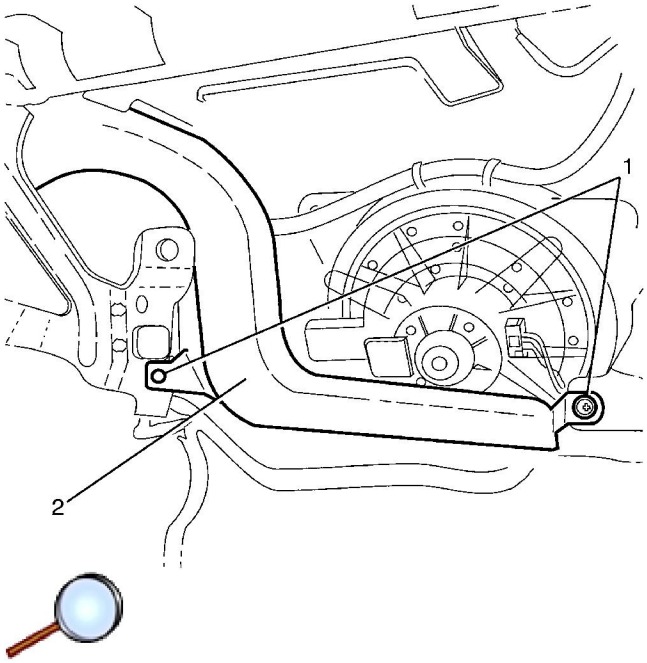
21. Install the air bag to I/P trim pad retaining nuts (1) and tighten to **16 N·m (12 lb ft)**.



22. Install the air bag electrical connector (2) and secure by inserting the electrical connector retaining clip (1).



23. Install the air bag electrical connector (2) and secure by inserting the electrical connector retaining clip (1).

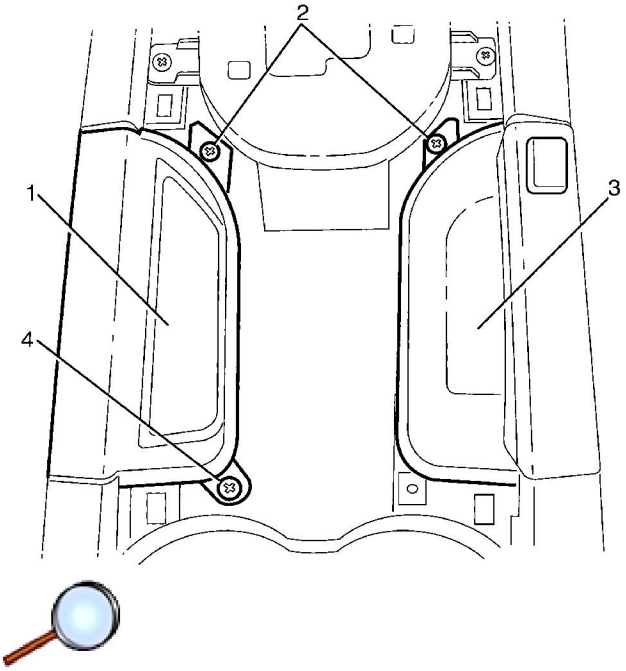


24. Install the lower air duct (2).
25. Install the lower air duct retaining clips (1).
26. Install the I/P centre speaker. Refer to Radio Front Speaker ReplacementRadio Front Speaker Replacement.
27. Install the instrument panel center trim panel. Refer to Instrument Panel Center Trim Panel ReplacementInstrument Panel Center Trim Panel Replacement.
28. Install the knee bolster. Refer to Knee Bolster ReplacementKnee Bolster Replacement.
29. Install the defroster grill. Refer to Defroster Grille ReplacementDefroster Grille Replacement.
30. Install the instrument cluster. Refer to Instrument Cluster ReplacementInstrument Cluster Replacement.
31. Install the instrument panel trim panel. Refer to Instrument Panel Center Trim Panel ReplacementInstrument Panel Center Trim Panel Replacement.
32. Install the trim plate - console side. Refer to Console Trim Plate ReplacementConsole Trim Plate Replacement.
33. Install the ventilation trim panel. Refer to Instrument Panel Side Trim Panel ReplacementInstrument Panel Side Trim Panel Replacement.
34. Install the outer trim cover. Refer to Instrument Panel Outer Trim Cover ReplacementInstrument Panel Outer Trim Cover Replacement.
35. Install the trim panel - (I/P) Upper. Refer to Instrument Panel Upper Trim Panel ReplacementInstrument Panel Upper Trim Panel Replacement.
36. Install the I/P compartment. Refer to Instrument Panel Compartment ReplacementInstrument Panel Compartment Replacement.
37. Enable the SIR system. Refer to SIR Disabling and EnablingSIR Disabling and Enabling.
38. Connect the battery ground cable to the battery. Refer to Battery Negative Cable Disconnection and ConnectionBattery Negative Cable Disconnection and Connection.
39. Test all electrical components for correct operation.

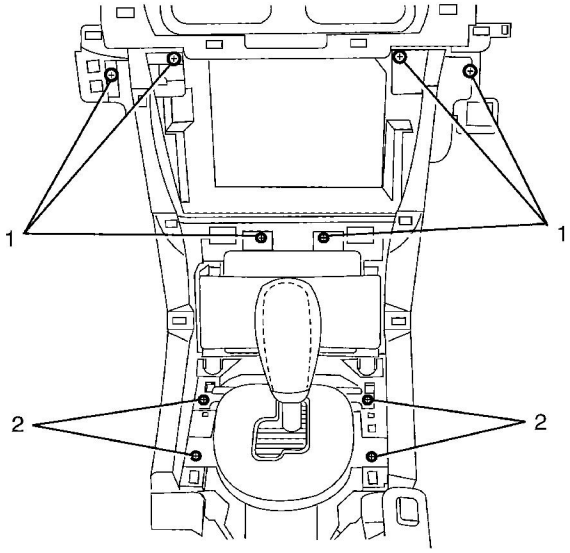
Instrument Panel Center Support Bracket Replacement

Removal Procedure

1. Remove the trim panel (I/P) centre. Refer to Instrument Panel Center Trim Panel Replacement.
2. Remove the trim plate. Refer to Instrument Panel Center Trim Panel Replacement.
3. Remove the radio. Refer to Radio Replacement.

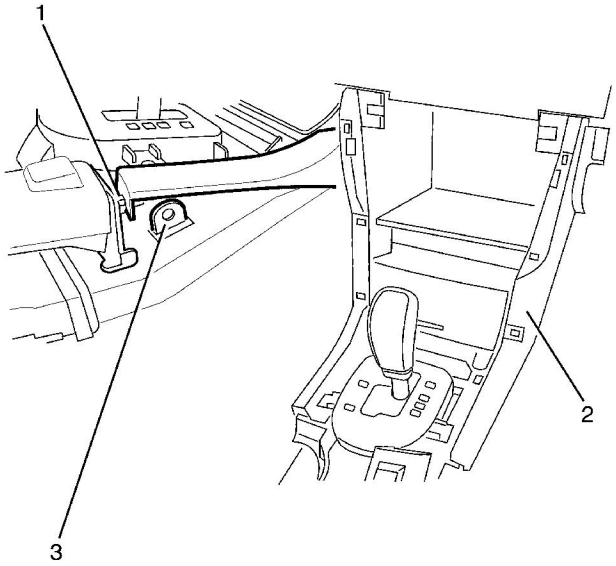


4. Remove the coin holder upper retaining screws (2,4) and remove the coin holder (1).
5. Remove the park recess tray upper retaining screw (2) and remove the recess trim (3).



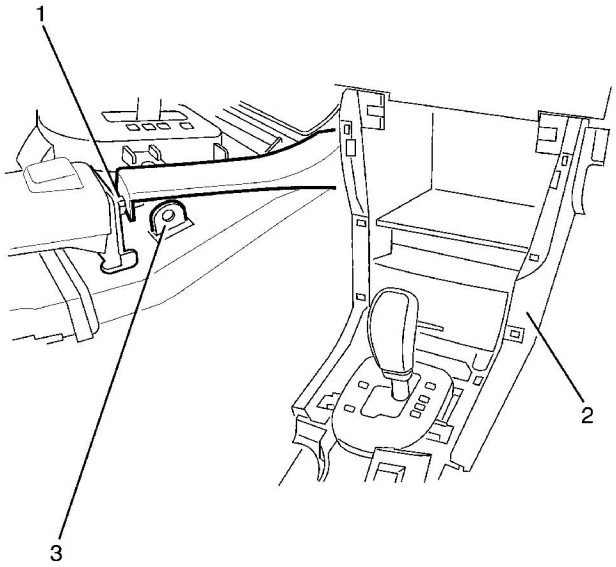
© 2010 General Motors Corporation. All rights reserved.

6. Remove the I/P bracket to I/P carrier retaining screws (1).
7. Remove the I/P bracket to centre console retaining screws (2).



8. Remove the I/P bracket (2) to centre vent retaining clip (3).
9. Disengage the I/P bracket (2) from the centre console trim (1).
10. Carefully remove the I/P bracket (2) from the I/P carrier.

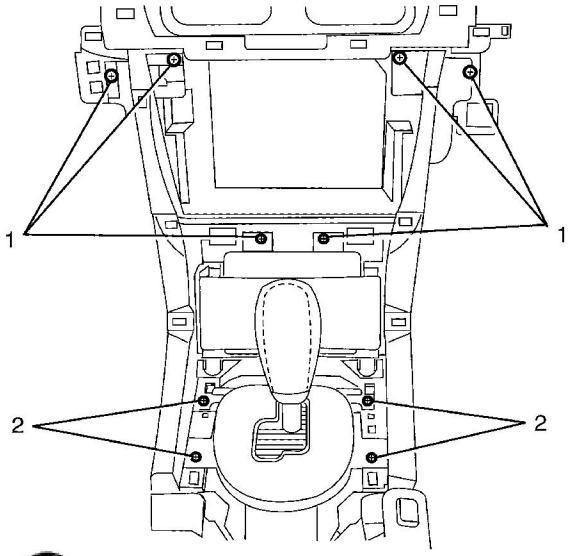
Installation Procedure



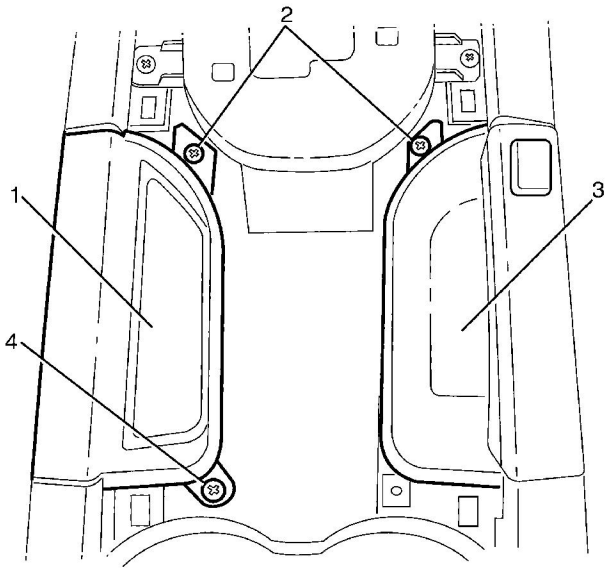
1. Install the I/P bracket into the I/P tower.

2. Carefully engage the I/P bracket (2) into the centre console trim (1).
3. Install the I/P bracket (2) to centre vent retaining clip (3).

Caution: Refer to Fastener Caution in the Preface section.



4. Install the I/P bracket to centre console retaining screws (2) and tighten to **2 N·m (18 lb in).**.
5. Install the I/P bracket to I/P carrier retaining screws (1) and tighten to **2 N·m (18 lb in).**.



6. Install the coin holder upper retaining screws (2,4) and remove the coin holder (1) and tighten to **2 N·m (18 lb in).**.
7. Install the park recess (3) tray upper retaining screw (2) and tighten to **2 N·m (18 lb in).**.
8. Install the radio. Refer to Radio Replacement.

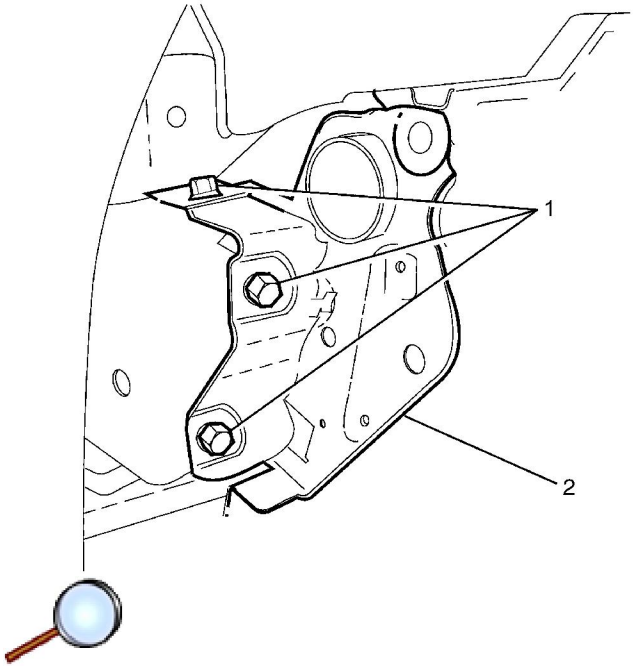
9. Install the trim plate. Refer to Console Trim Plate Replacement.
10. Install the trim panel (I/P) centre. Refer to Instrument Panel Center Trim Panel Replacement.
11. Ensure all trims are fitted correctly and are flush with the corresponding trims.

Instrument Panel Carrier Replacement

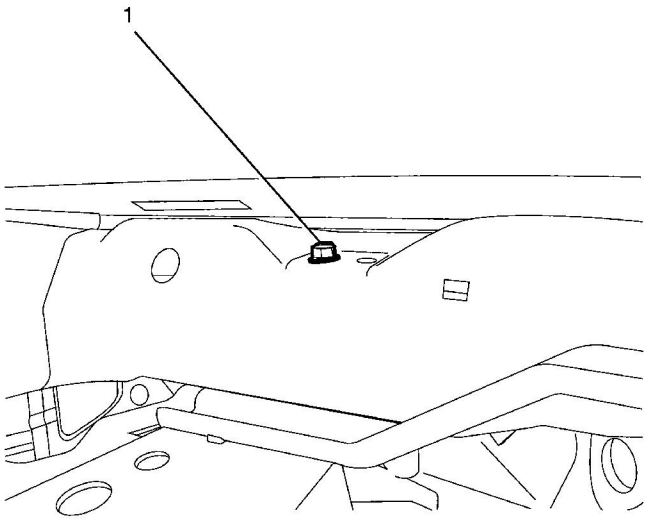
Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.

1. Disconnect the battery ground cable from the battery. Refer to Battery Negative Cable Disconnection and Connection.
2. Remove the trim pad - (I/P) Upper. Refer to Instrument Panel Upper Trim Pad Replacement in Instrument Panel, Gages, and Console.
3. Remove the floor console. Refer to Front Floor Console Replacement.

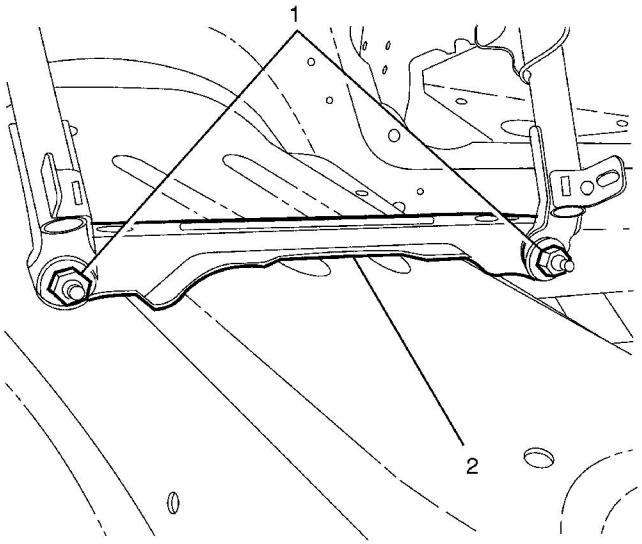


4. Remove the I/P carrier (2) to A - pillar retaining bolts (1) the left side is shown the right side is the same.



© 2010 General Motors Corporation. All rights reserved.

5. Remove the upper I/P carrier to body panel retaining bolts (1) located at the top of the I/P carrier under the windshield.



6. Remove the lower I/P carrier (2) to transmission tunnel bracket retaining bolts (1).

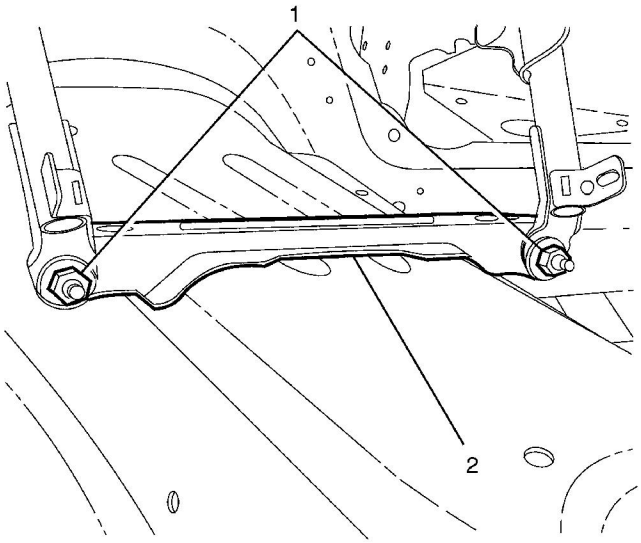
Note: When detaching the I/P wiring harness, make sure the I/P harness is attached as removed.

7. Detach the I/P electrical wiring harness.
8. Carefully remove the I/P carrier from the vehicle.

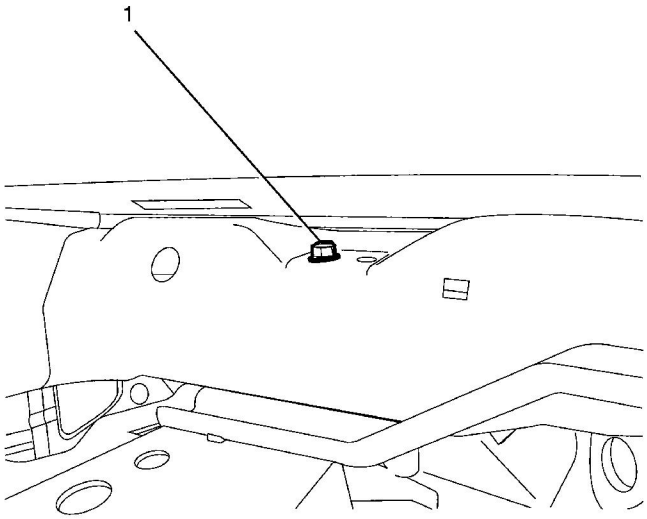
Installation Procedure

1. Carefully install the I/P carrier to the vehicle.
2. Attach the I/P electrical wiring harness the I/P carrier.

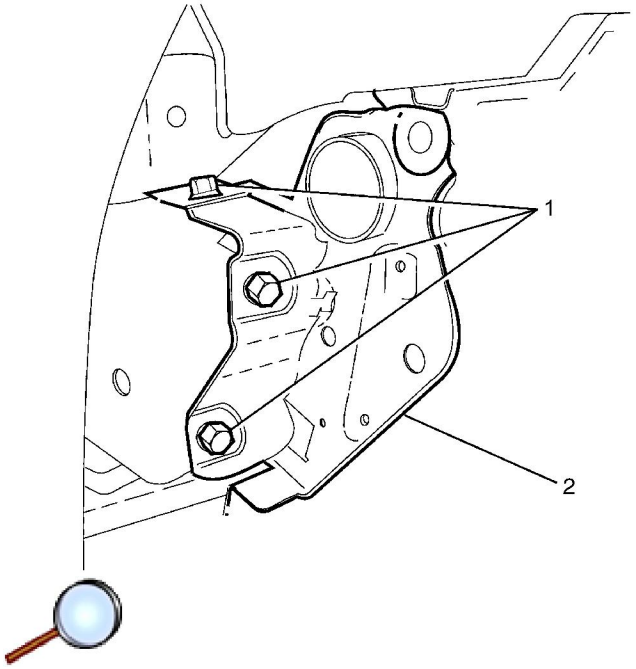
Caution: Refer to Fastener Caution in the Preface section.



3. Install the lower I/P carrier (2) to transmission tunnel bracket retaining bolts (1) and tighten to **30 N·m (22 lb ft)**.



4. Install the upper I/P carrier to body panel retaining bolts (1) and tighten to **32 N·m (24 lb ft)**.

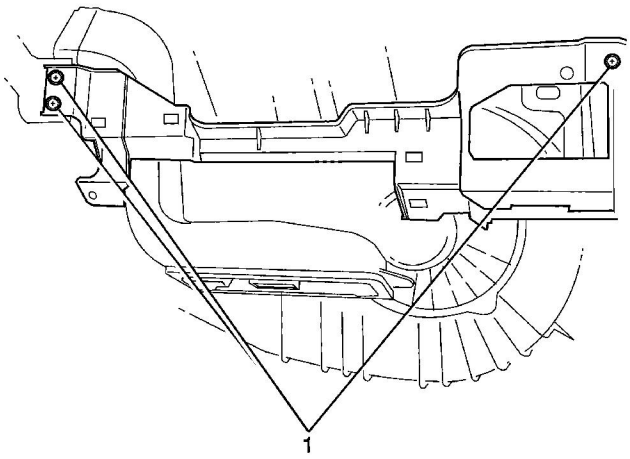


5. Install the I/P carrier (2) to A - pillar retaining bolts (1) and tighten to **37 N·m (27 lb ft)**.
6. Install the centre console. Refer to Front Floor Console Replacement.
7. Install the trim pad - (I/P) Upper. Refer to Instrument Panel Upper Trim Pad Replacement in Instrument Panel, Gages, and Console.
8. Connect the battery ground cable to the battery. Refer to Battery Negative Cable Disconnection and Connection.
9. Test all electrical components for correct operation.

Instrument Panel Retainer Replacement

Removal Procedure

1. Remove the knee bolster. Refer to Knee Bolster Replacement.
2. Remove the right close out panel. Refer to Instrument Panel Insulator Panel Replacement - Right Side.
3. Remove the hood release handle. Refer to Hood Primary Latch Release Cable Replacement.

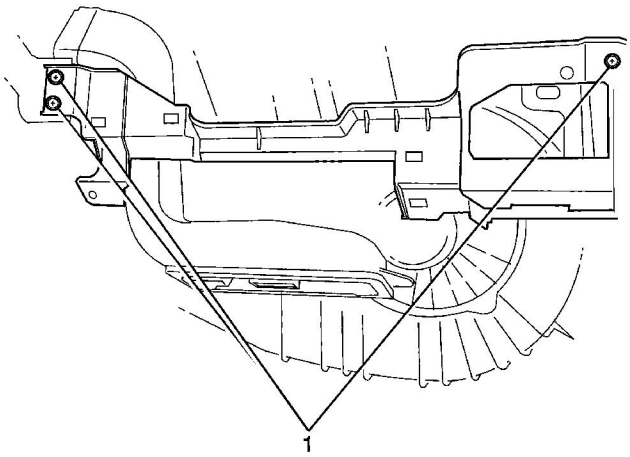


Note: The right side is shown, the left side is similar.

4. Remove the I/P retainer to I/P carrier retaining screws (1).
5. Remove the I/P retainer.

Installation Procedure

© 2010 General Motors Corporation. All rights reserved.



1. Align the I/P retainer to the I/P carrier.

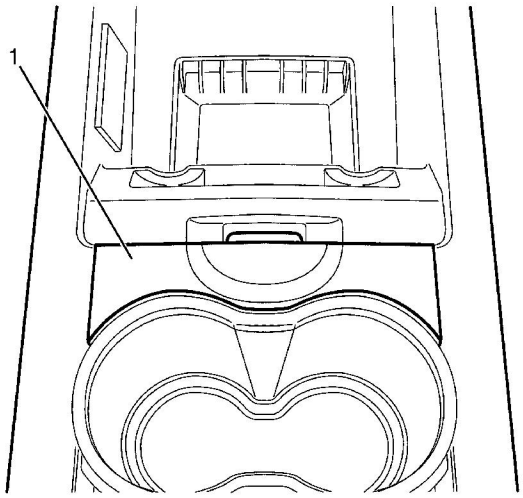
   Caution: Refer to Fastener Caution in the Preface section.

2. Install the I/P retainer to I/P carrier retaining screws (1) and tighten to **2 N·m (18 lb in).**.
3. Install the hood release handle. Refer to Hood Primary Latch Release Cable Replacement.
4. Install the right close out panel. Refer to Instrument Panel Insulator Panel Replacement - Right Side.
5. Install the knee bolster. Refer to Knee Bolster Replacement.

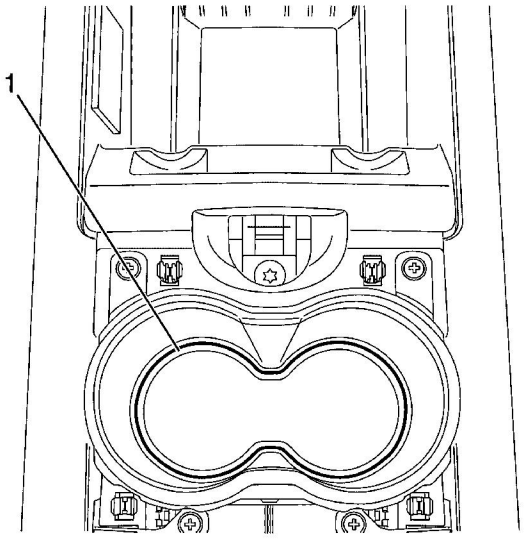
Front Floor Console Cup Holder Replacement

Removal Procedure (Up to 17 Sept 2007)

1. Remove the centre console trim plate. Refer to Console Trim Plate Replacement.

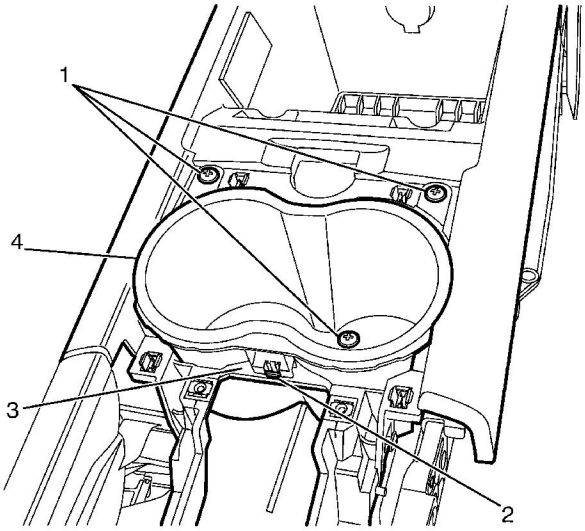


2. Using a suitable tool carefully remove cupholder trim (1) by disengaging the retaining clips.



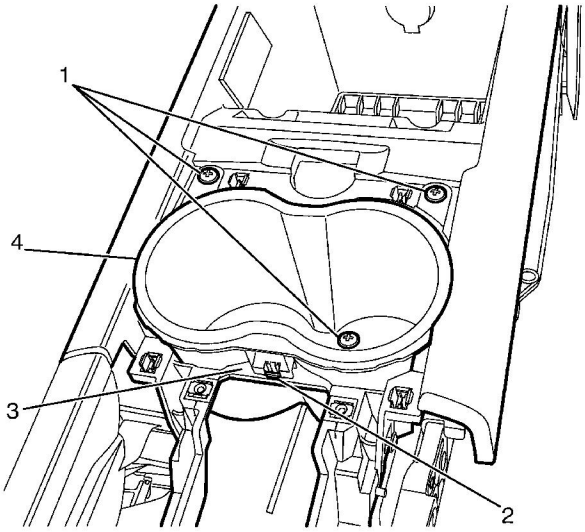
3. Remove the cupholder mat (1) located at the base of the cupholder.

© 2010 General Motors Corporation. All rights reserved.



4. Remove the cupholder (4) retaining screws (1).
5. Remove the cupholder (4) from the centre console (3) by releasing the retaining lug (2) and lifting upwards.

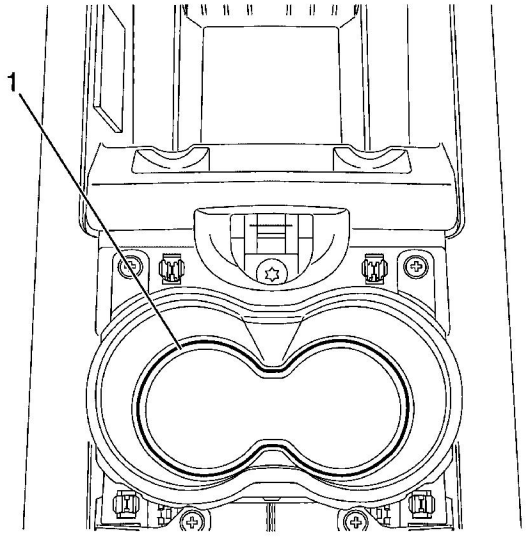
Installation Procedure (Up to 17 Sept 2007)



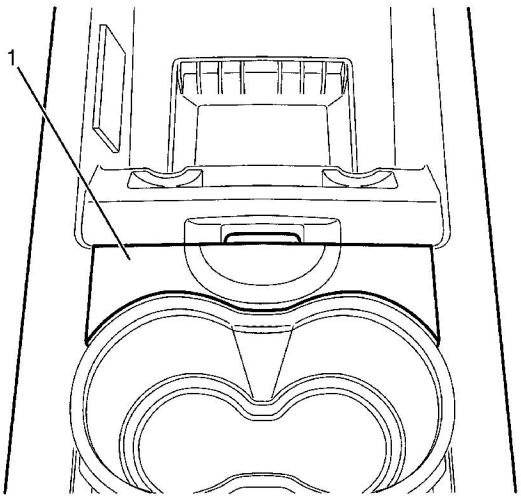
1. Install the cupholder (4) into the centre console (3) listen for an audible click from the retaining lug (2) to confirm fitting.

   Caution: Refer to Fastener Caution in the Preface section.

2. Install the cupholder to centre console retaining screws (1) and tighten to **2 N·m (18 lb in)**.



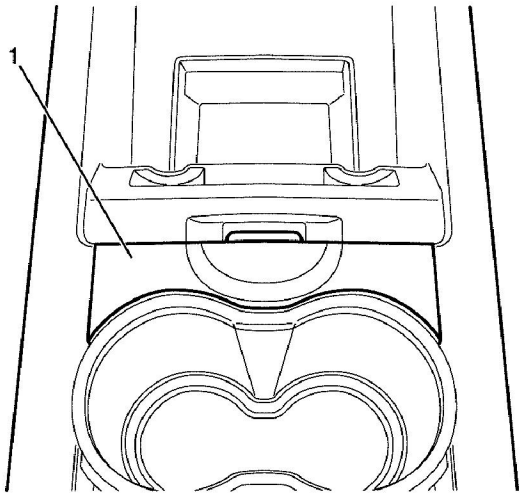
3. Install the cupholder mat (1).



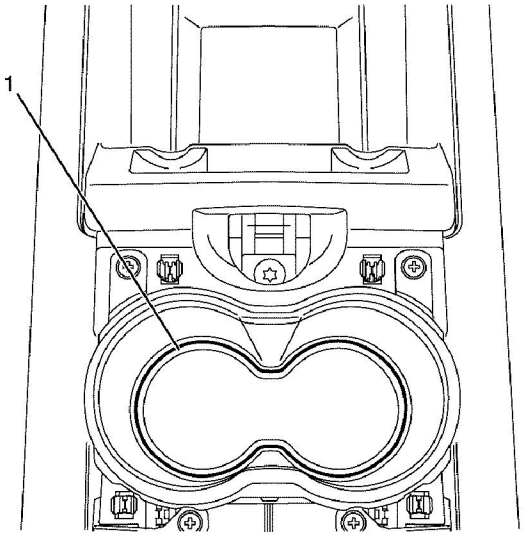
4. Install the cup holder trim (1) by firmly engaging the retaining clips.
5. Install the centre console trim plate. Refer to Console Trim Plate Replacement.

Removal Procedure (From 17 Sept 2007)

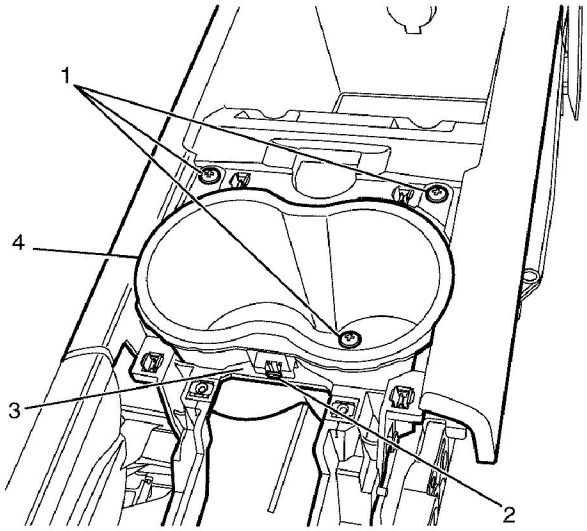
1. Remove the centre console trim plate. Refer to Console Trim Plate Replacement.



2. Using a suitable tool carefully remove the cupholder trim (1) by disengaging the retaining clips.

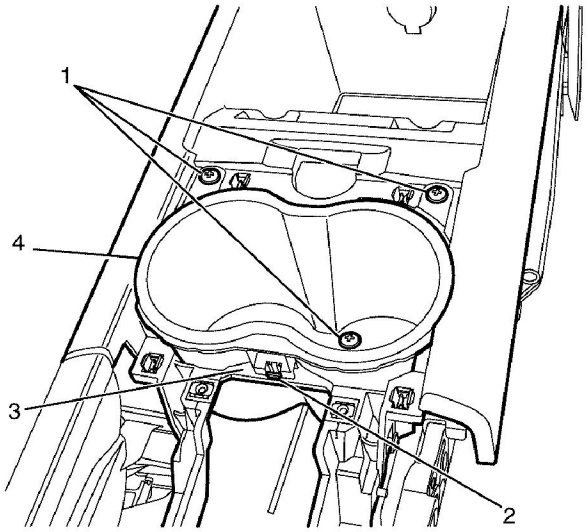


3. Remove the cupholder mat (1) located at the base of the cupholder.



4. Remove the cupholder to centre console retaining screws (1).
5. Remove the cupholder (4) from the centre console (3) by releasing the retaining lug (2) and lifting upwards.

Installation Procedure (From 17 Sept 2007)

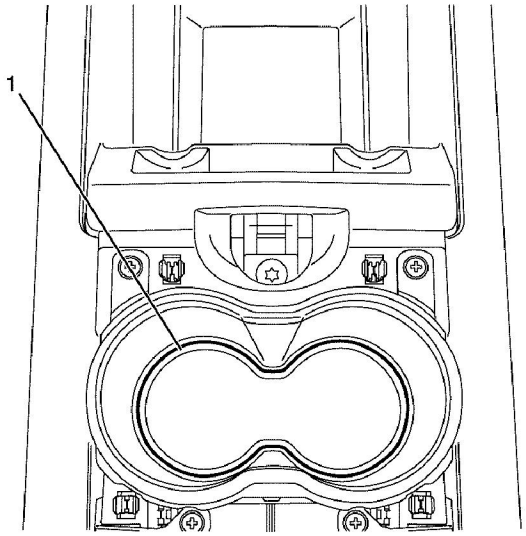


Note: Listen for an audible click from the retaining lug (2) to confirm fitting.

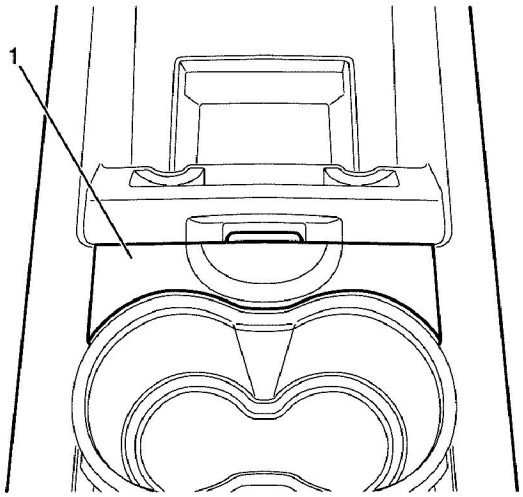
1. Install the cupholder (4) into the centre console (3)

Caution: Refer to Fastener Caution in the Preface section.

2. Install the cupholder to centre console retaining screws (1) and tighten to **2 N·m (18 lb in)**.



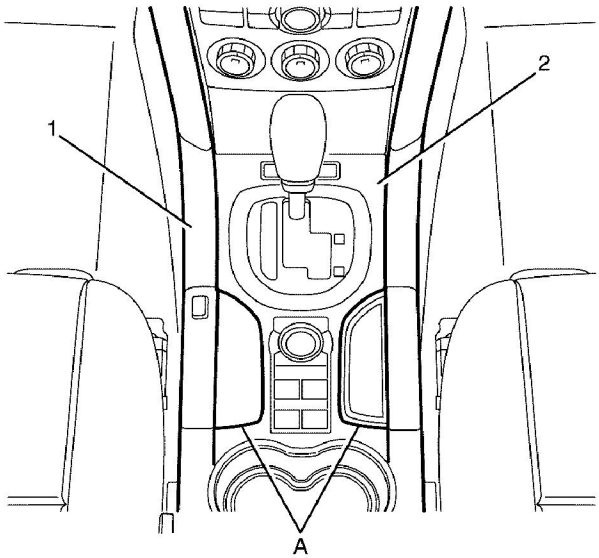
3. Install the cupholder mat (1).



4. Install the cup holder trim (1) by firmly engaging the retaining clips.
5. Install the centre console trim plate. Refer to Console Trim Plate Replacement.

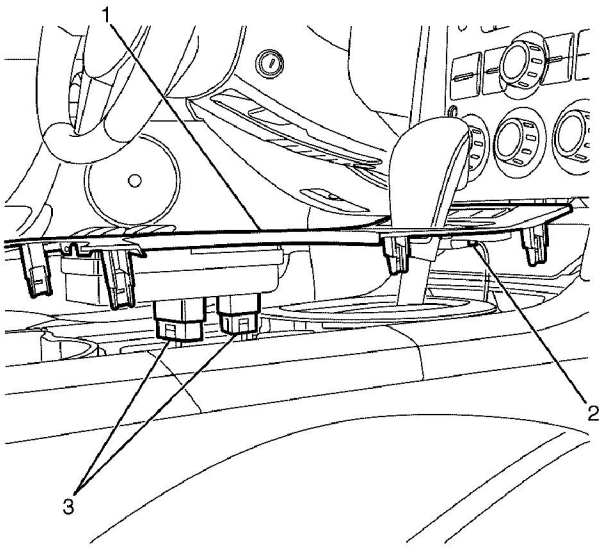
Console Trim Plate Replacement

Removal Procedure



Important: The console trim plate (2) is retained by clips.

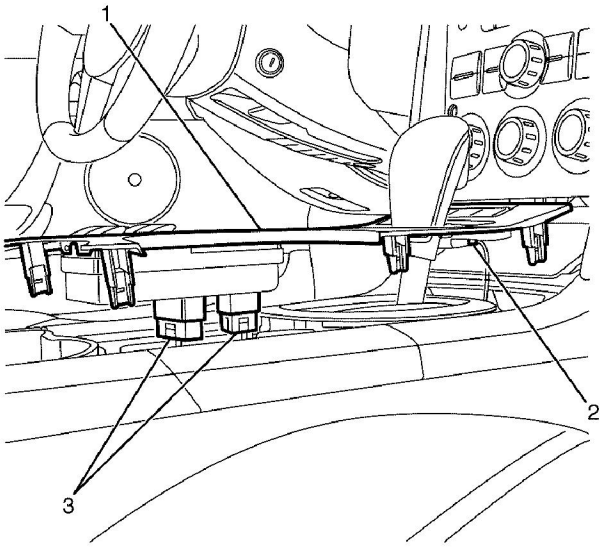
1. Grasp the console trim plate (2) at (A) and pull upwards to disengage the retaining clips from the floor console (1).



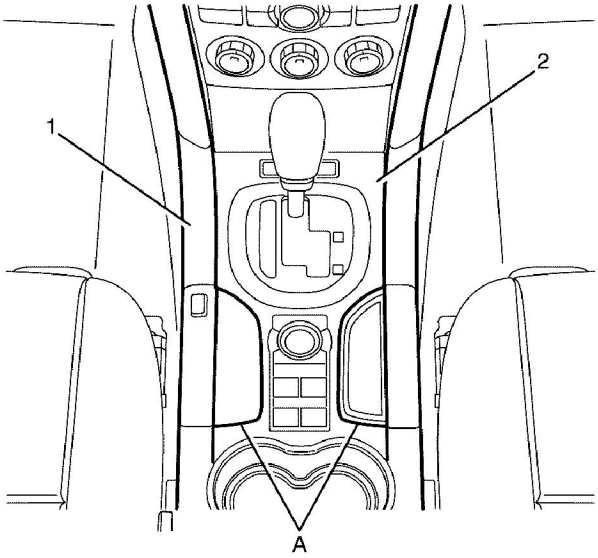
© 2010 General Motors Corporation. All rights reserved.

2. Disconnect the window and exterior mirror switch electrical connector (3).
3. Disconnect the ESP and heated seat switches assembly electrical connector (2).
4. Remove the console trim plate (1).

Installation Procedure



1. Position the console trim plate (1) over the floor console.
2. Connect the window and exterior mirror switch electrical connector (3).
3. Connect the ESP and heated seat switches assembly electrical connector (2).

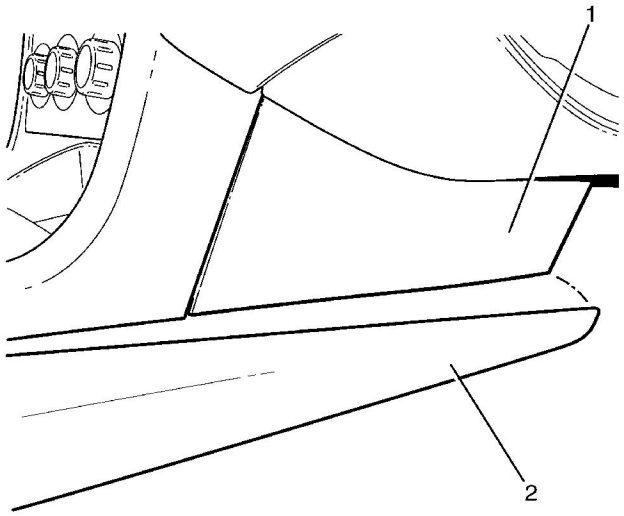


Important: The console trim plate (2) is retained by clips.

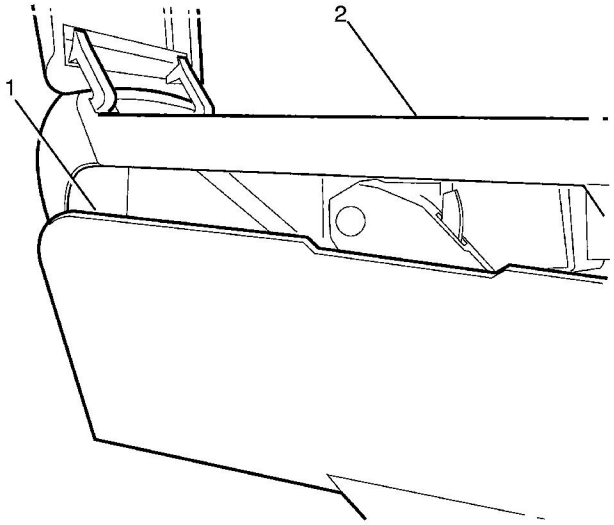
4. Install the console trim plate (2) and push downwards at (A) to engage the retaining clips to the floor console (1).
5. Test all switches for correct operation.

Front Floor Console Side Trim Panel Replacement - Right Side

Removal Procedure



1. Slide the front of the trim plate (2) away from the centre console extension panel (1).

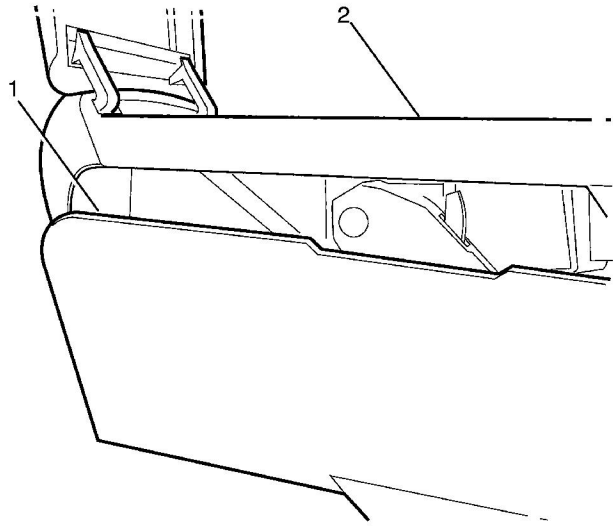


2. Detach the rear of the trim plate (1) from the centre console (2) by disengaging the retaining clips.

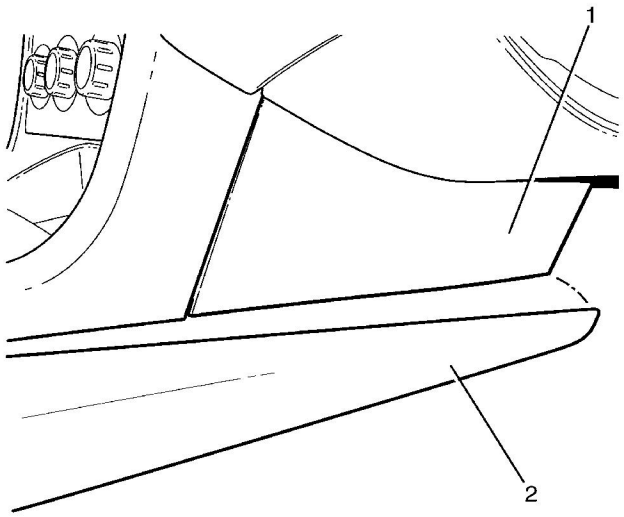
© 2010 General Motors Corporation. All rights reserved.

3. Remove the trim plate (1).

Installation Procedure



1. Engaged the retaining clips at rear of the trim plate (1) to secure it to the centre console (2).

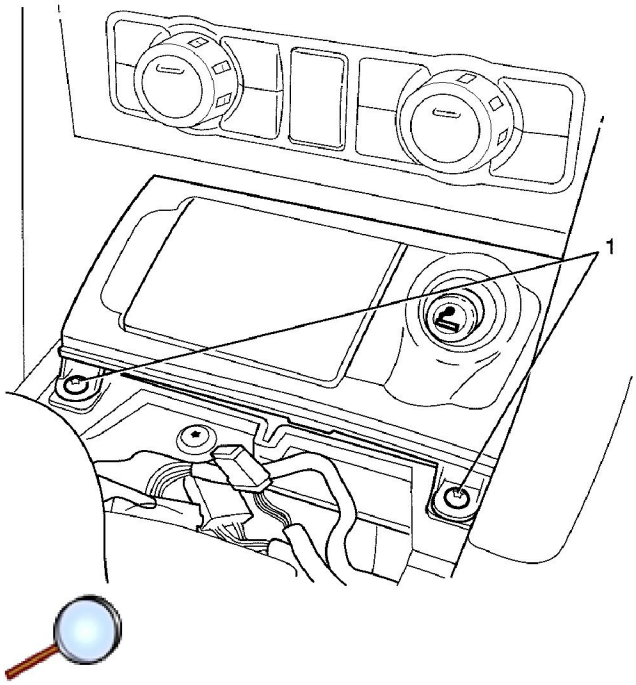


2. Slide the front of the trim plate (2) up into the centre console extension panel (1).
3. Ensure the trim plate is correctly located in the centre console and end panel.

Front Floor Console Front Ashtray Replacement

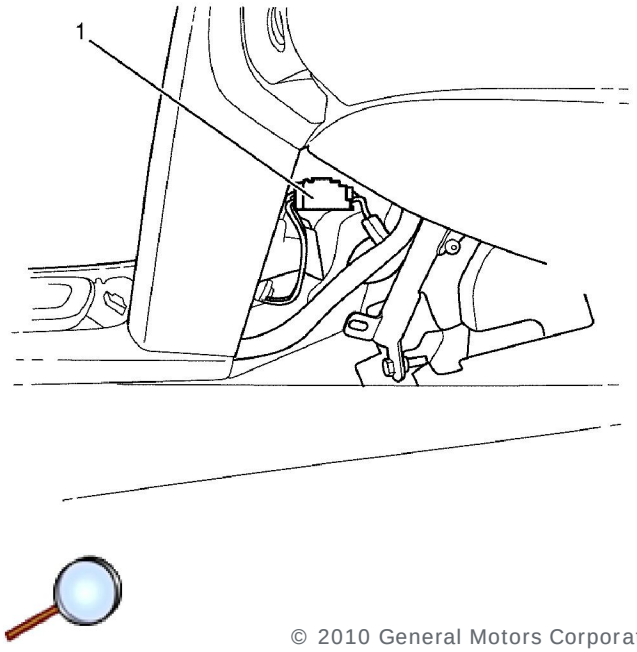
Removal Procedure

1. Remove the trim plate. Refer to Console Trim Plate Replacement.



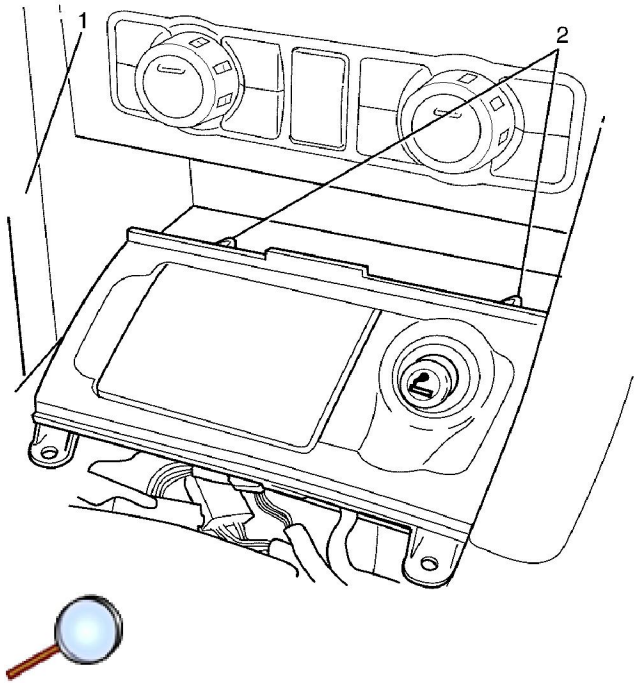
Note: Apply the park brake and move the transmission control lever to the D position.

2. Remove the storage compartment to centre console retaining screws (1).
3. Remove the instrument panel extension. Refer to Instrument Panel Extension Replacement.



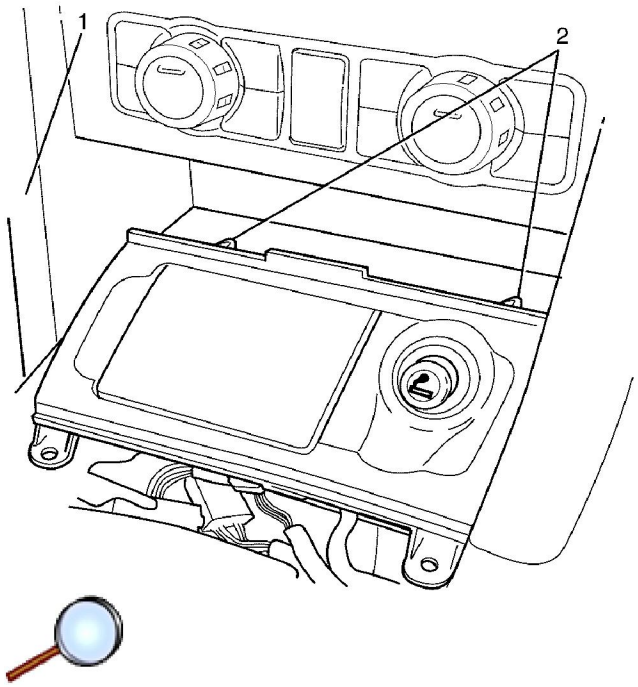
© 2010 General Motors Corporation. All rights reserved.

4. Disconnect the cigar lighter electrical connector (1).

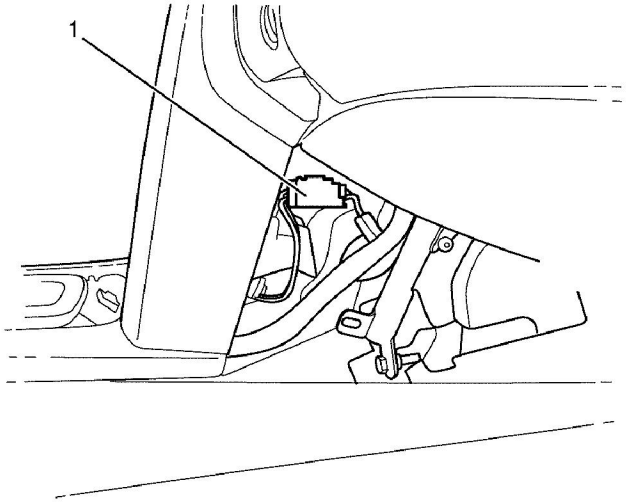


5. Pull the storage compartment (1) rearward to detach the storage compartment to instrument panel (I/P) centre trim panel retaining clips (2).
6. Remove the storage compartment (1) from the I/P centre trim panel (3).

Installation Procedure

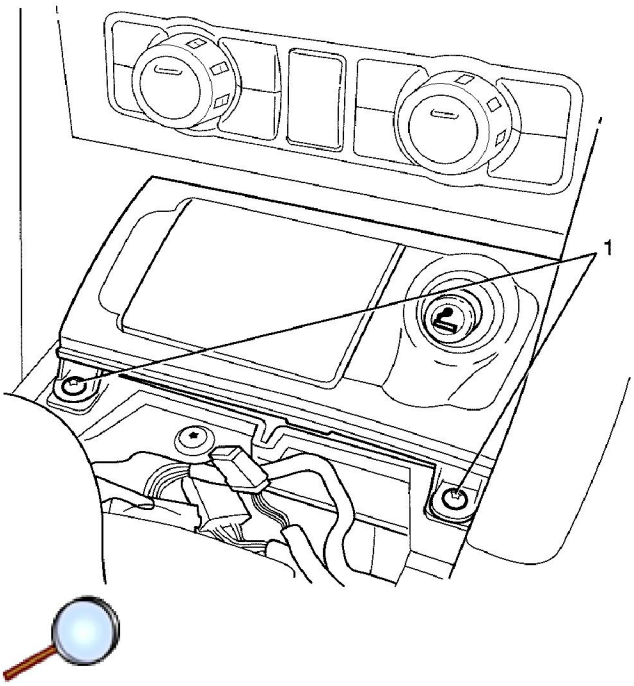


1. Install the storage compartment (1) to the I/P centre trim panel (3).
2. Ensure the storage compartment to I/P centre trim panel retaining clips (2) are located correctly.



3. Connect the cigar lighter electrical connector (1).
4. Install the instrument panel extension. Refer to Instrument Panel Extension Replacement.

Caution: Refer to Fastener Caution in the Preface section.

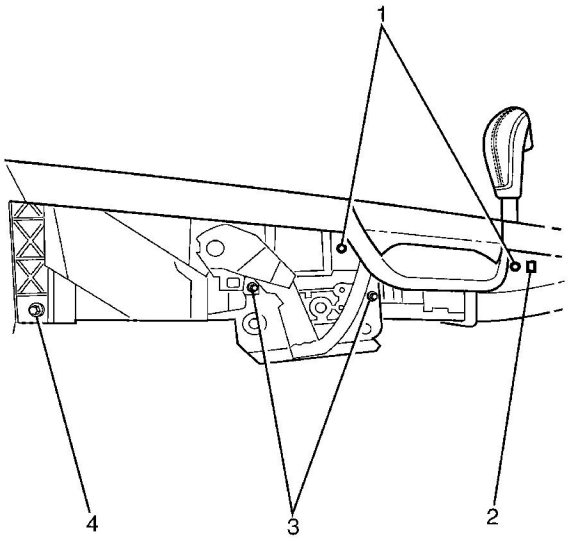


5. Install the storage compartment to centre console retaining screws (1) and tighten to **2 N·m (18 lb in)**.
6. Install the trim plate. Refer to Console Trim Plate Replacement.

Front Floor Console Replacement

Removal Procedure

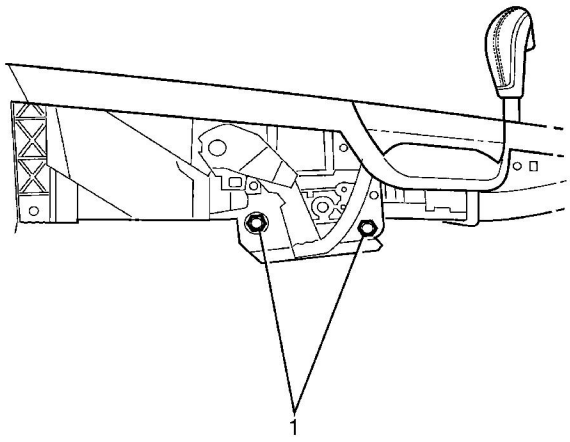
1. Remove the side trim plate - Console. Refer to Console Trim Plate Replacement.
2. Remove the centre console end panel. Refer to Center Console End Panel Replacement.
3. Remove the armrest assembly. Refer to Front Floor Console Armrest Replacement.
4. Remove the centre console cupholder. Refer to Front Floor Console Cup Holder Replacement.
5. Remove the trim plate - Console. Refer to Console Trim Plate Replacement.



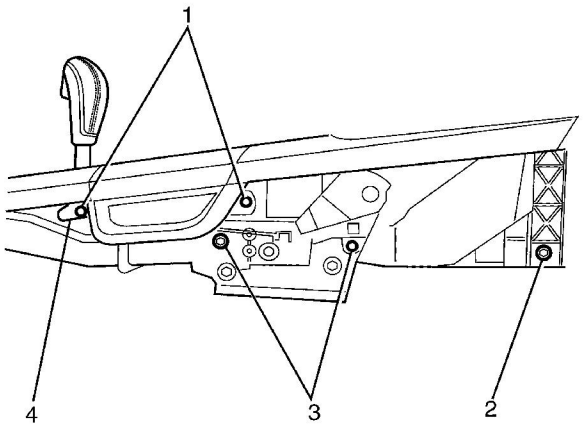
Note: The following procedure is carried out on the right side of the centre console.

6. Remove the retaining screws from the centre console (3).
7. Remove the rear centre console retaining bolt (4).
8. Remove the park recess tray retaining screws (1) and retaining clip (2).

© 2010 General Motors Corporation. All rights reserved.

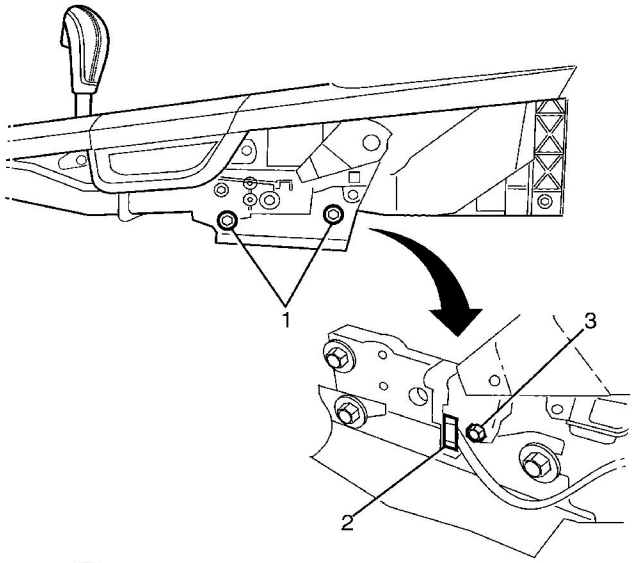


9. Loosen the centre console to park brake assembly bracket retaining bolts (1).

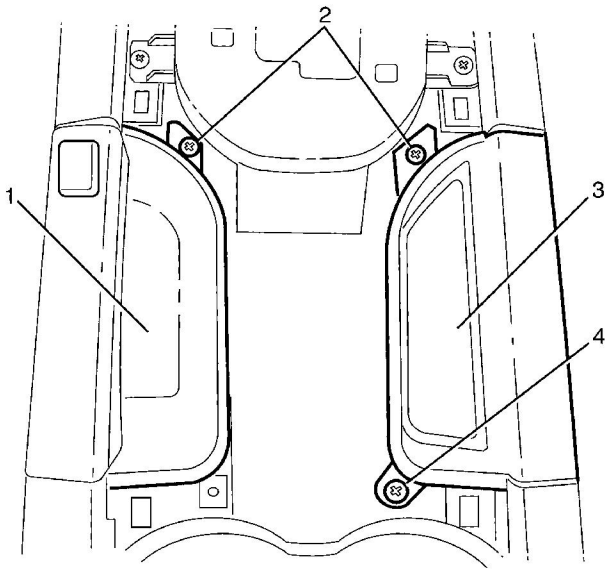


Note: The following procedures are carried out on the left hand side.

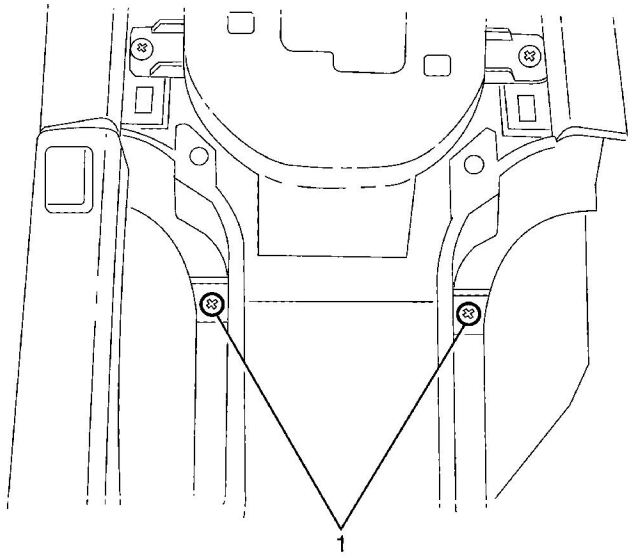
10. Remove the rear centre console retaining bolt (2).
11. Remove the centre console retaining screws (3).
12. Remove the coin holder retaining screws (1) and retaining clip (4).



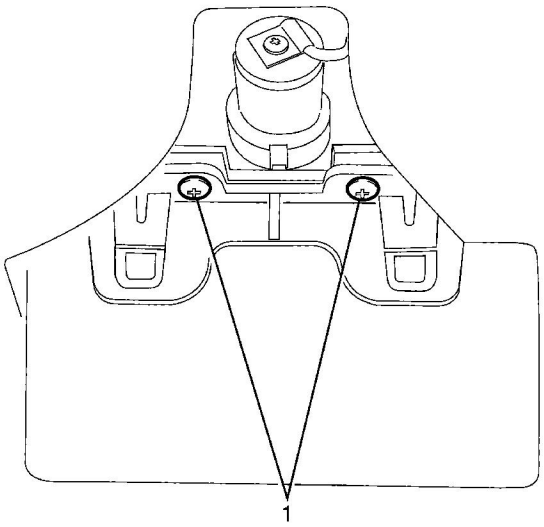
13. Remove the park brake warning lamp switch (2) retaining torx screw (3).
14. Loosen the centre console retaining bolts (1).



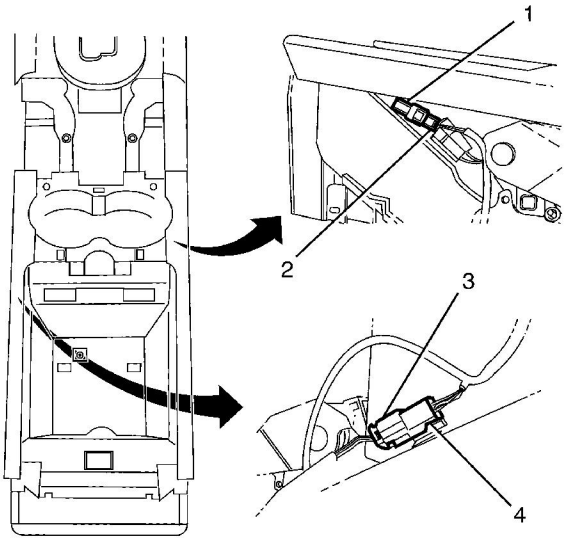
15. Remove the coin holder upper retaining screws (2,4) and remove the coin holder (3).
16. Remove the park brake recess tray upper retaining screw (2) and remove the park brake recess (3).



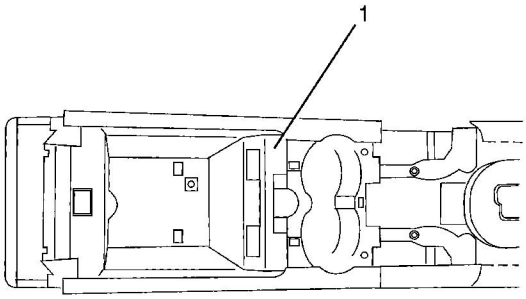
17. Remove the centre console top retaining screws (1).



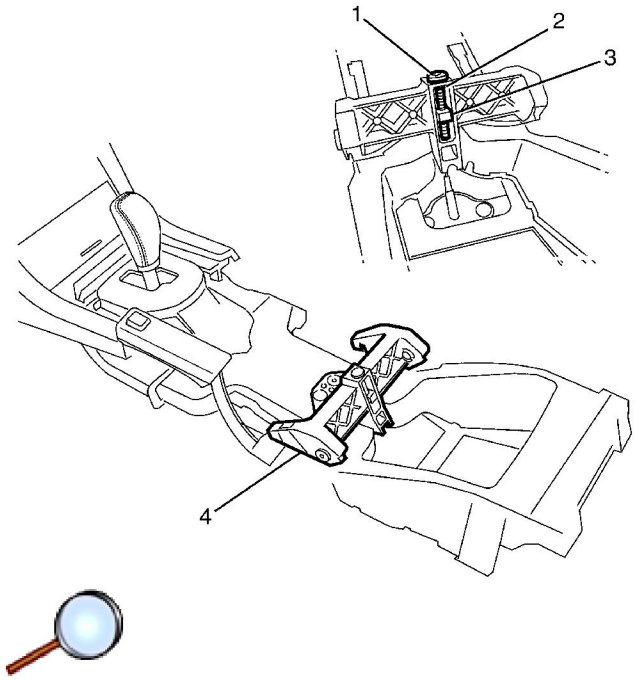
18. Remove the lower centre console retaining bolts (1).



19. Disconnect the centre console electrical connectors (1,3).
20. Detach and remove the centre console electrical connectors (4,2).



21. Remove the centre console (1).

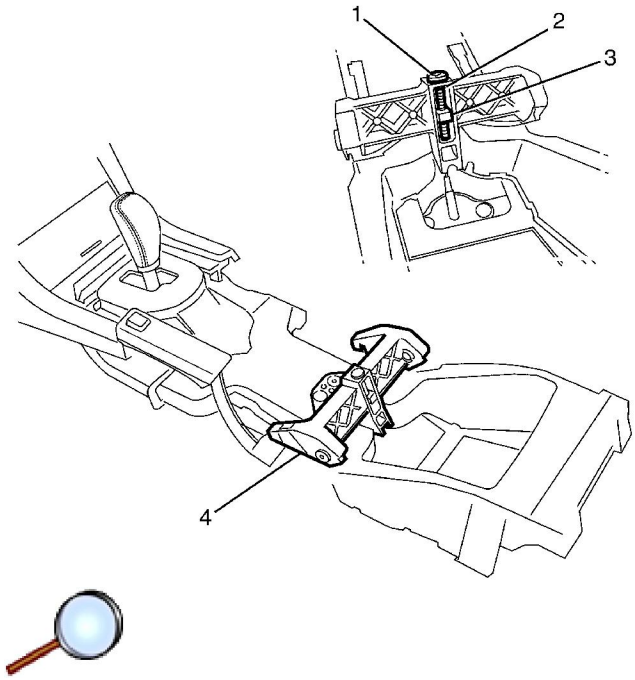


22. Remove the adjuster circlip (2) from the park brake adjuster (1).
23. Remove the park brake adjuster (1), by rotating counter clockwise until it leaves the retaining nut insert (2).
24. Remove the park brake adjuster (1) retaining nut insert (3).

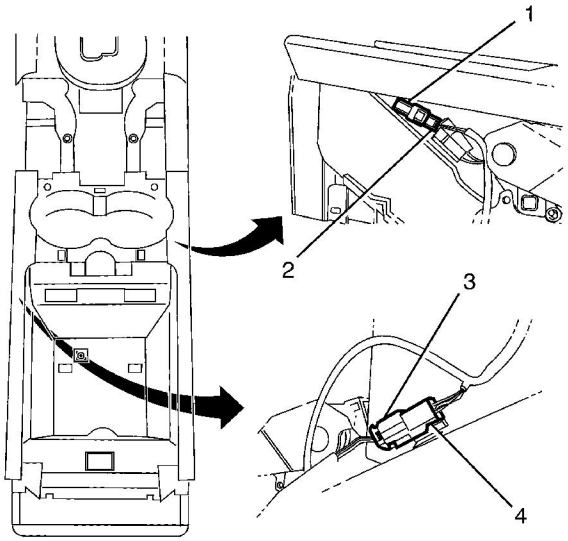
Note: If replacing the park brake assembly. Refer to Parking Brake Release Handle Assembly Replacement.

25. Remove the park brake assembly (4).

Installation Procedure

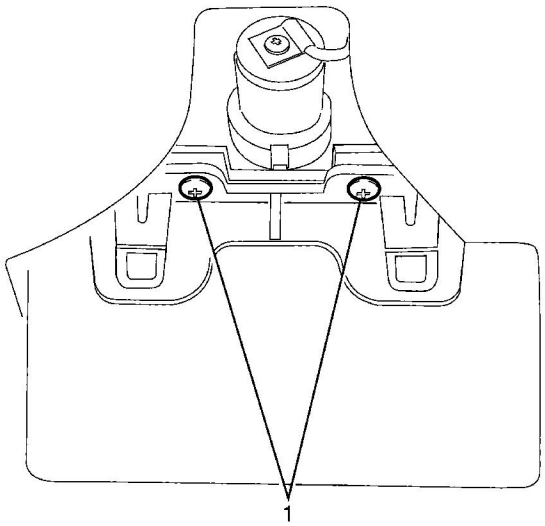


1. Align the park brake assembly (4) with the transmission tunnel.
2. Install the park brake adjuster nut insert (3) into the park brake assembly (4).
3. Install the park brake adjuster (1) by rotating it clockwise until the desired tension is reached.
4. Once the desire tension is reached install the park adjuster circlip (2).
5. Align the centre console over the park brake assembly.

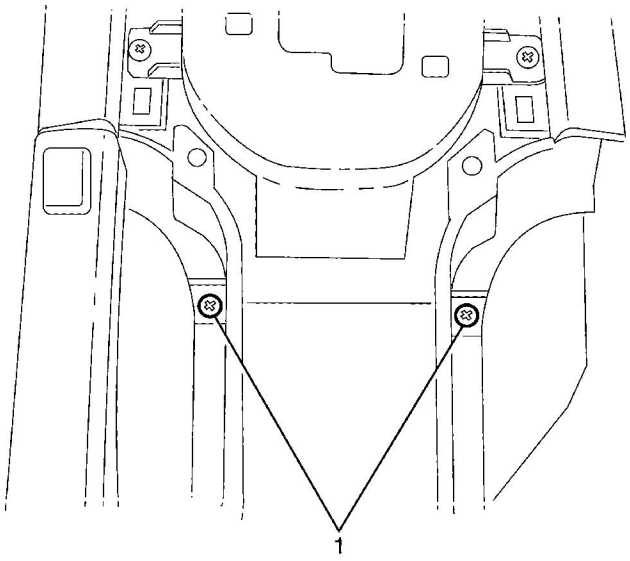


6. Attach and remove the centre console electrical connectors (4,2).
7. Connect the centre console electrical connectors (1,3).
8. Install the centre console cupholder. Refer to Front Floor Console Cup Holder Replacement.

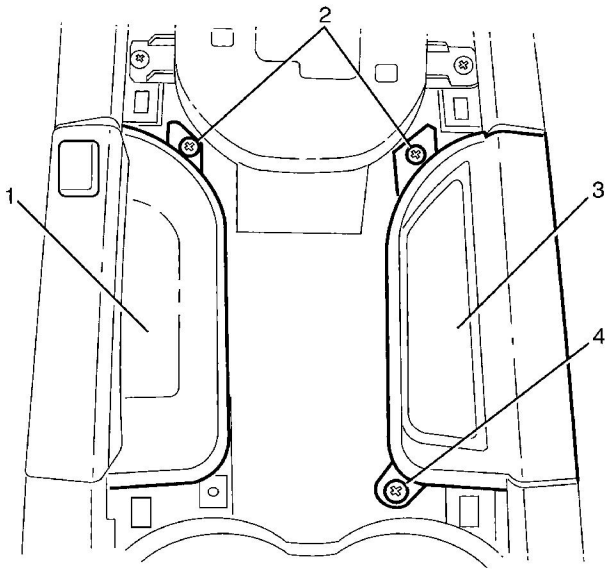
Caution: Refer to Fastener Caution in the Preface section.



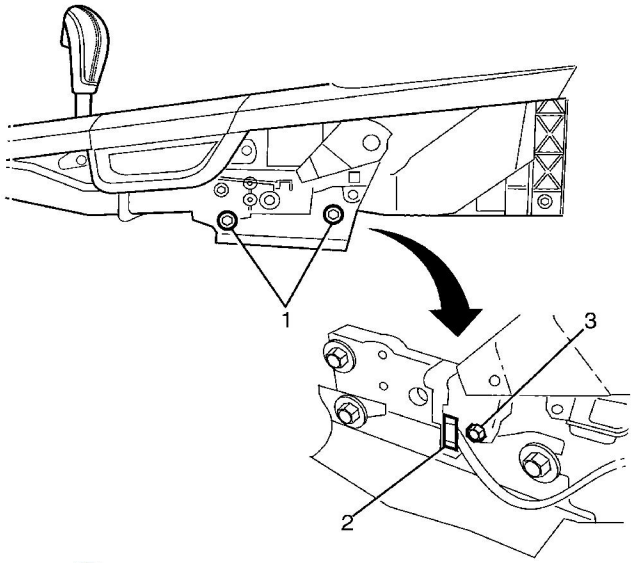
9. Install the lower centre console retaining screws (1) and tighten to **2 N·m (18 lb in)**.



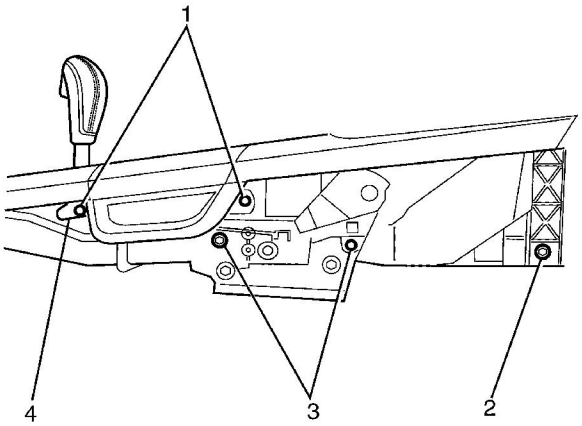
10. Install the upper centre console retaining screws (1) and tighten to **2 N·m (18 lb in)**.



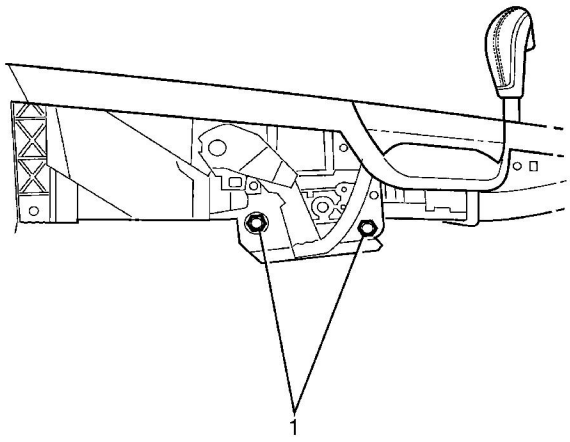
11. Install the coinholder (3) and park brake recess trim (1).
12. Install the coinholder and park brake recess trim upper retaining screws (2,4) and tighten to **2 N·m (18 lb in)**.



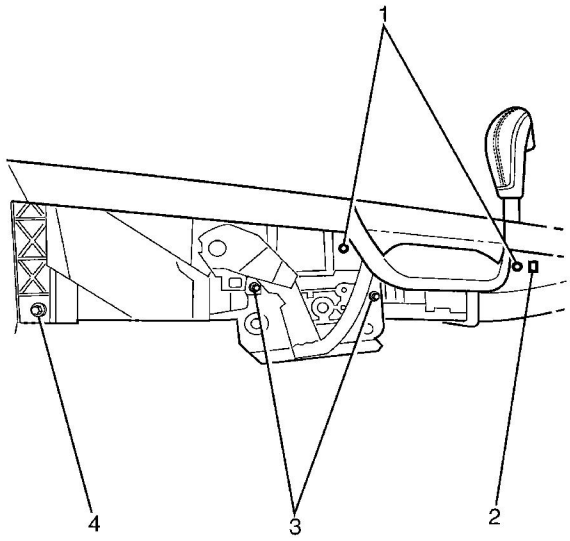
13. Install the park brake warning lamp switch (2).
14. Install the park brake warning lamp switch retaining torx screw (3).
15. Tighten the centre console to park brake assembly retaining bolts (1) and tighten to **25 N·m (18 lb ft)**.



16. Install the rear centre console retaining bolt (2) and tighten to **25 N·m (18 lb ft)**.
17. Install the centre console retaining screws (3) and tighten to **2 N·m (18 lb in)**.
18. Install the coinholder lower retaining screws (1) and retaining clip (4) and tighten to **2 N·m (18 lb in)**.



19. Tighten the centre console to park brake assembly retaining bolts (1) and tighten to **25 N·m (18 lb ft)**.

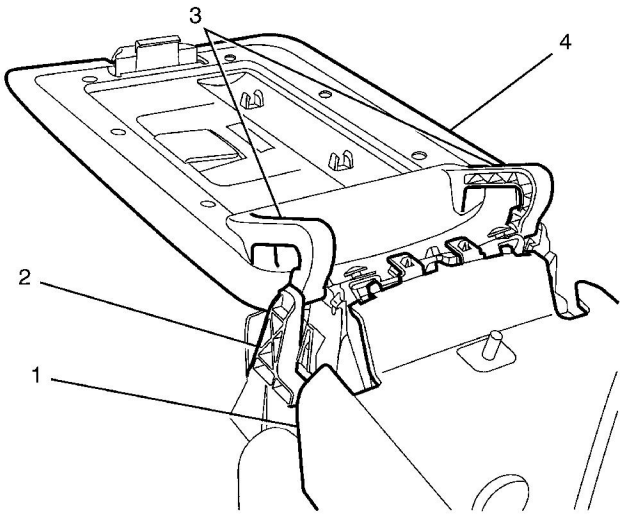


20. Install the centre console retaining screws (3) and tighten to **2 N·m (18 lb in)**.
21. Install the park brake recess lower retaining screws (1) and retaining clip (2) and tighten to **2 N·m (18 lb in)**.
22. Tighten the rear centre console retaining bolt (4) and tighten to **25 N·m (18 lb ft)**.
23. Install the trim plate - Console. Refer to Console Trim Plate Replacement.
24. Install the armrest assembly. Refer to Front Floor Console Armrest Replacement.
25. Install the centre console end panel. Refer to Center Console End Panel Replacement.
26. Install the side trim plate - Console. Refer to Front Floor Console Side Trim Panel Replacement - Right Side.
27. Test all electrical components for correct operation.

Front Floor Console Armrest Replacement

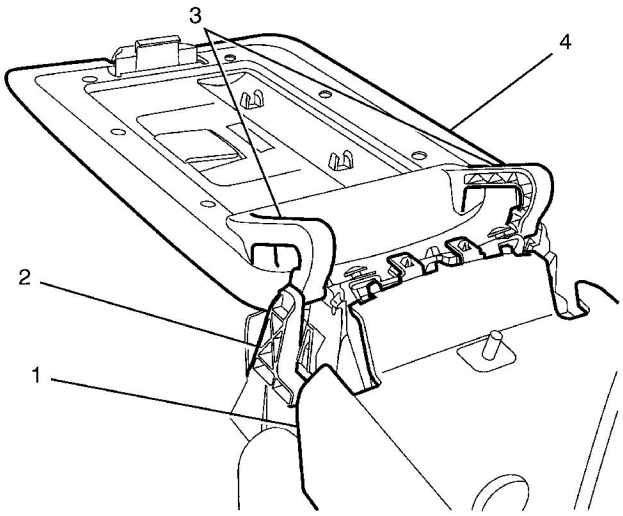
Removal procedure

1. Remove the centre console end panel. Refer to Center Console End Panel Replacement.
2. Open the armrest assembly to 180° to the horizontal position.



3. Using a suitable tool spread the centre console retaining lugs (2) away from the armrest assembly arms (3) and remove the armrest assembly (4) from the centre console (1).

Installation Procedure

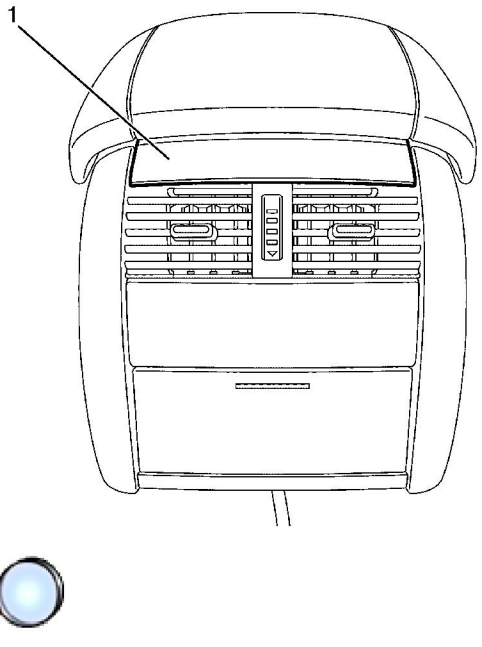


© 2010 General Motors Corporation. All rights reserved.

1. Align the armrest assembly (4) with centre console assembly (1).
2. Install the armrest assembly arms (3) by firmly inserting it into the centre console retaining lugs (2) listen for an audible click to confirm fitting.
3. Close the armrest assembly (4).
4. Install the centre console end panel. Refer to Center Console End Panel Replacement.

Center Console End Panel Replacement

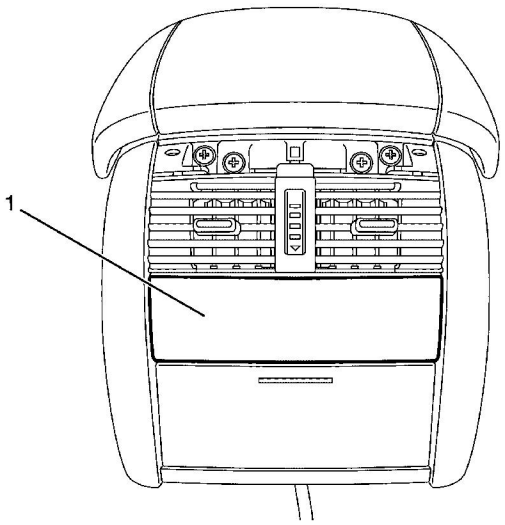
Removal Procedure - Up to 17 Sept 2007



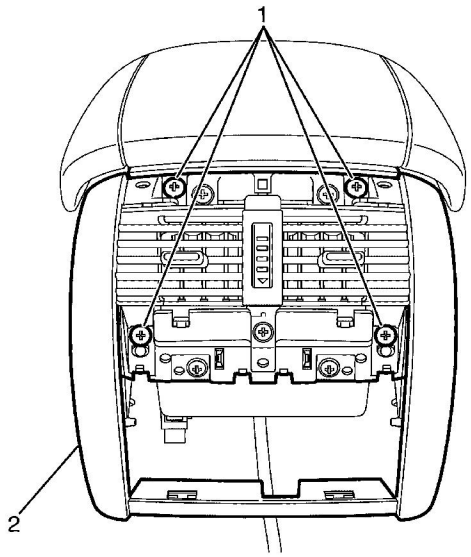
Note: From inside the front floor console compartment carefully lift upwards with a small flat blade screwdriver to detach the retaining clips. Close the armrest and remove the front floor console upper end panel (1).

1. Remove the front floor console upper end panel (1), by lifting from the base of the trim panel to disengage.

© 2010 General Motors Corporation. All rights reserved.

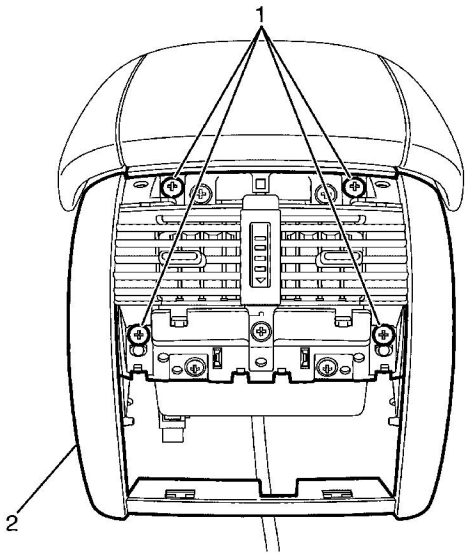


2. Remove the rear floor console rear compartment (1).



3. Remove the end panel to front floor console retaining screws (1).
4. Remove the end panel and rear air outlet assembly (2).

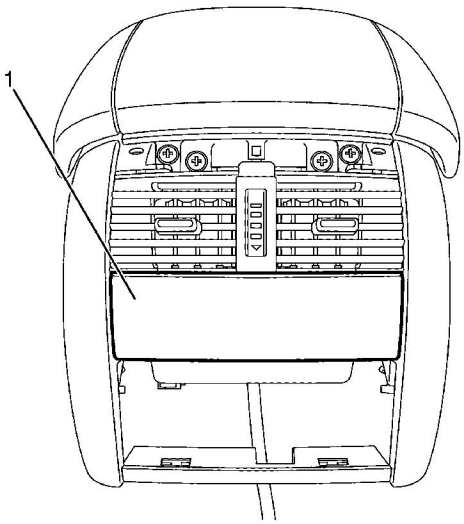
Installation Procedure - Up to 17 Sept 2007



1. Install the end panel and rear air outlet assembly (2).

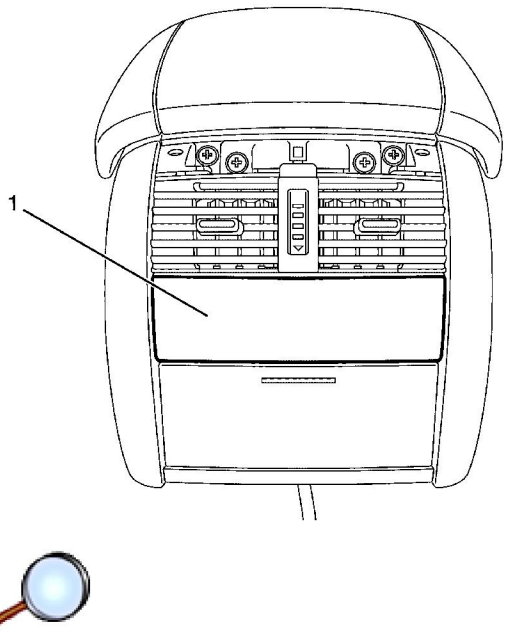
   Caution: Refer to Fastener Caution in the Preface section.

2. Install the end panel to front floor console retaining screws (1) and tighten to **2 N·m (18 lb in)**.

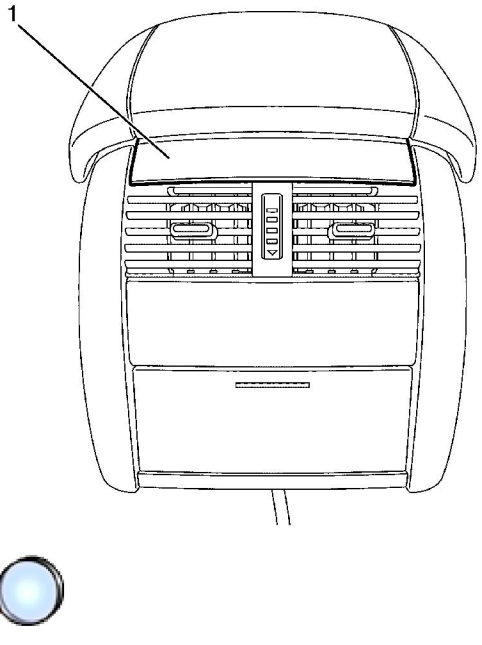


   Note: The front floor console lower end panel (1) is retained by clips. Make sure all the clips are aligned with the front floor console and are engaged to avoid an induced rattle condition.

3. Install the front floor console lower end panel (1).



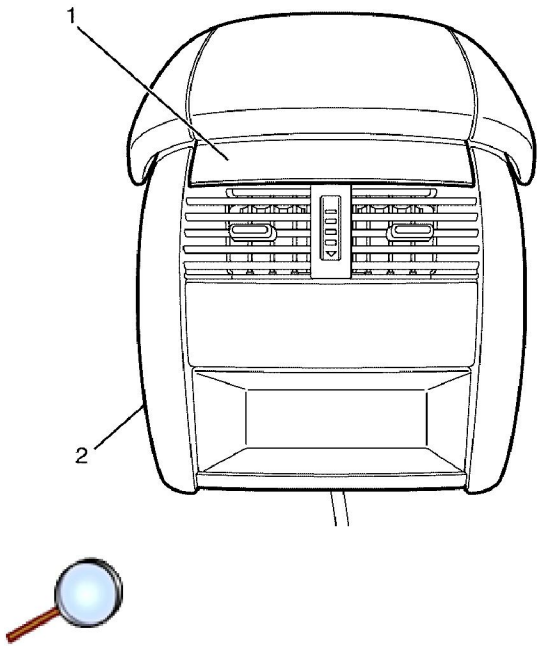
4. Install the rear floor console rear compartment (1).



Note: The front floor console upper end panel (1) is retained by clips. Make sure all the clips are aligned with the front floor console and are engaged to avoid an induced rattle condition.

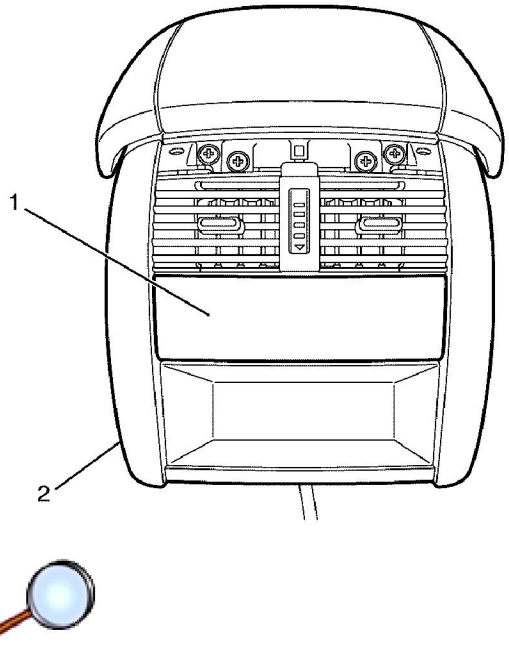
5. Align the trim panel with the console end panel.
6. Push down on trim to engage retaining clips.

Removal Procedure - From 17 Sept 2007



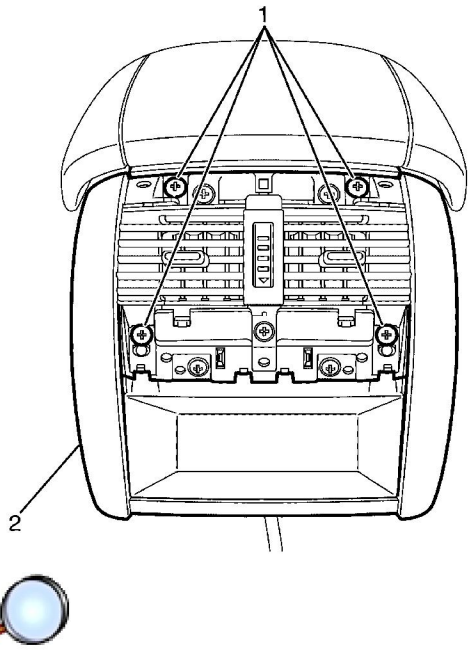
Note: Raise the arm rest and from inside the front floor console compartment carefully lift upwards with a small flat blade screwdriver to detach the retaining clips. Lower the armrest.

1. Remove the front floor console upper trim panel (1) from the end panel (2).



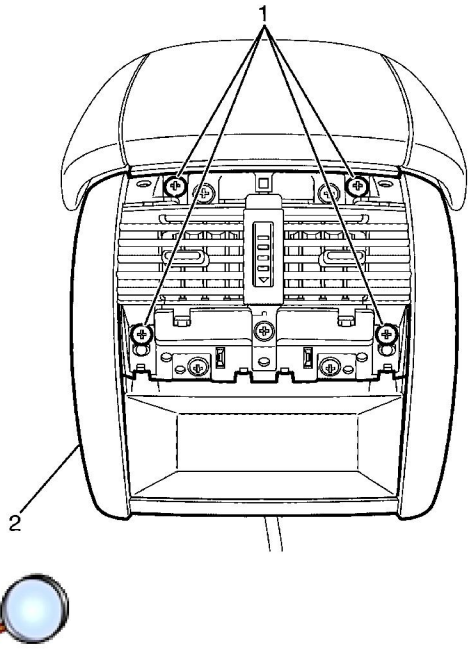
Note: Carefully lift upwards with a small flat blade screwdriver to detach the retaining clips.

2. Remove the rear floor console lower trim panel (1) from the end panel (2).



3. Remove the end panel to front floor console retaining screws (1).
4. Remove the end panel (2) from the front floor console.

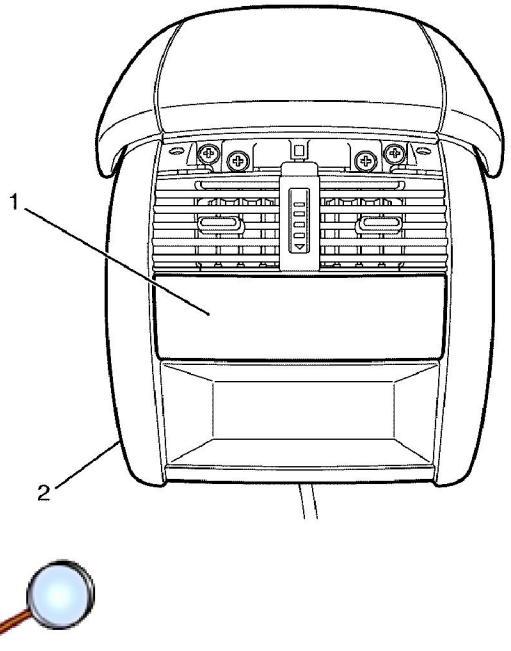
Installation Procedure - From 17 Sept 2007



1. Install the end panel (2) to the front floor console.

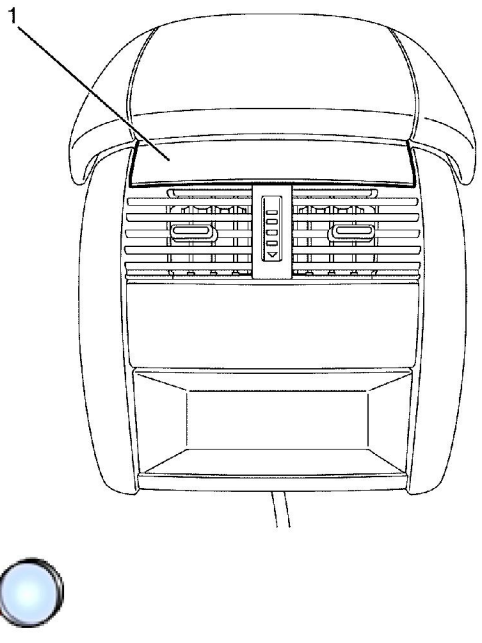
   Caution: Refer to Fastener Caution in the Preface section.

2. Install the end panel to front floor console retaining screws (1) and tighten to **2 N·m (18 lb in)**.



Note: The front floor console lower trim panel (1) is retained by clips. Make sure all the clips are aligned with the front floor console and are engaged to avoid an induced rattle condition.

3. Install the front floor console lower trim panel (1) to the end panel (2). Listen for an audible click to confirm fitting.



Note: The front floor console upper trim panel (1) is retained by clips. Make sure all the clips are aligned with the front floor console and are engaged to avoid an induced rattle condition.

4. Align the upper trim panel (1) with the console end panel.
5. Push down on the upper trim panel (1) to engage retaining clips. Listen for an audible click to confirm fitting.